From owner-qrp-l@Lehigh.EDU Wed Apr 30 18:03:51 1997
From: wb2vuo@juno.com (William K Hibbert)
Subject: [18626] 10 Meter Beacon List: Feb 1997
Message-ID: <19970430.083358.7791.2.wb2vuo@juno.com>

OK, so it's February, not March. At least I found it...

Here's the list, and Stanley's address. Let him know if you hear anything NOT on the list, or a change for a beacon on the list. Post it to the QRP-L, if you would, so others can update their lists...

72/73, Keith, WB2VUO

==========
From: Stanley <so@bigfoot.com>
Return-path: so@bigfoot.com
From owner-qrp-l@Lehigh.EDU Wed Apr 30 18:03:51 1997
From: "Thomas J. Whalen" <whalen@swcp.com>
Subject: [18661] 10m open
Message-ID: <Pine.SUN.3.91.970430114145.24566A-100000@kitsune.swcp.com>

Hello Fellow QRPers! Ten meters is opening to 7 land right now! I will be listening on 28.060 till 1830Z. Time now.....1745Z 72, Tom WB5QYT

From owner-qrp-l@Lehigh.EDU Wed Apr 30 18:03:51 1997
From: Harvey Hetland <n6mm@earthlink.net>
Subject: [18664] 15m QRP DX
Message-ID: <3367EB45.7CBA@earthlink.net>

It is 1800Z and PY2OS/QRP is calling CQ on 21.060 MHz. PY2OS usually has pretty good ears. I am also listening on 28.060 MHz, but I have not heard anything yet. Could not raise BS7H last night or this morning on 20m cw (14.024 MHz QSX up about 5 kHz).

73, Harvey, N6MM.   NorCal #1441 and QRP ARCI #51

From owner-qrp-l@Lehigh.EDU Wed Apr 30 18:03:51 1997
From: Martin_Peters@mon.bbc.co.uk
Subject: [18632] 2 metre QRP - any ideas
Message-ID: <7EB72B3301C23A0C@-SMF->

Hello all,

I'd like to build a low power FM tx for 2 metres using as few components as

possible.

I know there are a couple of chips that'll generate some FM but never seen a practical cct.

Alternatively, has anyone ever reverse-engineered one of these xtal-controlled bugs and interfaced it with a proper antenna.

Any ideas/thouhgts much appreciated.

Martin G4EFE

From owner-qrp-l@Lehigh.EDU Wed Apr 30 18:03:51 1997
From: John Dorson <jdorson@bbs.mpcs.com>
Subject: [18597] 2000+ QRPP'S
Message-ID: <199704292325.TAA01053@bbs.mpcs.com>

i guess we'll have to hear from evertone that they got or didn't get their copy of qrpp.

seem like such a waste of computer power..

just one persons opinion...

From owner-qrp-l@Lehigh.EDU Wed Apr 30 18:03:51 1997
From: Scott Bauer <ke3nv@erols.com>
Subject: [18675] 38 spcl alignment
Message-ID: <199704301829.OAA15335@smtp2.erols.com>

 Hello group,

 I wonder if I could bribe someone that has a scope to check out my 38 spcl. I cant get a good clean signal by ear. I would be glad to send return postage and a little extra for lunch.
 If anyone is interested, please email me directly.

72&73 de Scott Bauer W3CV, Odenton, MD. grid FM19. Formerly KE3NV
 Fists 1502   QRP Nut SWL Truck Pilot   ARRL
     Current QRP rigs: Green MTN 15 & 17, HW-8, G-QRP GQ-40
 S&S Eng ARK-20, ARK-30, ARK-40, TAC1-80. Emtech NW-8030

49er 38 special at 300mw
visit my web page at http://www.erols.com/ke3nv/

From owner-qrp-l@Lehigh.EDU Wed Apr 30 18:03:51 1997
From: n4so@juno.com (charles k brown)
Subject: [18608] 38 Special
Message-ID: <19970429.205209.4431.2.n4so@juno.com>

This week will try for 38 Special contacts on or about 10.116 after about 0130z.
Just worked KD7S - Bill for number 1.
Call CQ and I will try to pick you up.

Ken Brown, N4SO
QTH nr Mobile, AL
qrp-l #622
n4so@juno.com
and looking for 38 Special contacts

From owner-qrp-l@Lehigh.EDU Wed Apr 30 18:03:51 1997
From: ka7you@juno.com
Subject: [18619] 432 Sprint from CN96
Message-ID: <19970429.225635.6855.6.KA7YOU@juno.com>

Tomorrow night (wednesday) I'm going down to a mountain top (Burley Mountain) south of Randle, Wa. in CN96 for the 432MHz sprint. I'm taking the Rover truck with 100 watts on 432 into twin 11 element beams.
   I will also have 6M and 2M with Halo antennas, but the main reason is the 432 Sprint 7 PM till 11 PM. I'll be on 6M and 2M earlier if I have time.
7 3,
Rod Johnson KA7YOU from CN97AK near Issaquah, Wa. 160M thru 1296 MHz (3456MHz still in the wings)
NWQRP#120 ARCI#7251 QRP-L#844
Ask me about producing Three-Wheeled Golf Carts by the hundred--as a hobby??

From owner-qrp-l@Lehigh.EDU Wed Apr 30 18:03:51 1997
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
Subject: [18679] A little more on the EDZ

Message-ID: <Pine.SOL.3.94.970430164253.24180C-100000@utkux4.utcc.utk.edu>

At my web site, therre are notes that update even the recent 10-10 News column on stacked EDZs, and I have just added a bit more information on a very narrow beamwidth co-linear array. How narrow is narrow? 16 degrees between -3 dB points. A Yagi goes from 50 to 60 degrees depending on the number of elements. Credit for the antenna goes to W2NB or his sources back in the late 1930s. Amazing what you can do with wire.

-73-

LB, W4RNL

L. B. Cebik, W4RNL
1434 High Mesa Drive
Knoxville, Tennessee
37938-4443 USA
(Off)(423) 974-7215
(Hm) (423) 938-6335
(FAX)(423) 974-3509
cebik@utk.edu
URL: http://funnelweb.utcc.utk.edu/~cebik/radio.html

From owner-qrp-l@Lehigh.EDU Wed Apr 30 18:03:51 1997
From: Doug Hendricks <ki6ds@dpol.k12.ca.us>
Subject: [18640] An idea for a WWV Receiver
Message-ID: <3.0.1.32.19970429113812.006c4664@telis.org>

David Yarnes posted the other day that he thought there was an article for a WWV receiver in May QST. Seems that he didn't have his bifocals on (you younger guys won't understand this now, but you will, believe me) and discovered that it was a W1AW Regen Receiver that was based on using a colorburst crystal for tuning. I too, read the article and then it hit me.

Dave, why couldn't you replace the colorburst crystal with a 5.000 MHz, 10.000 MHz or 15 MHz. crystal? They are all listed in the Digikey catalog. Hey, what about putting all three in the circuit with a switch? Would that work? Is there anything else that would have to be changed?

Guys, here is today's project. Who can be the first to try it and see if it works. If it does, please write it up and we will print it in QRPp.
Thanks, Doug, KI6DS

From owner-qrp-l@Lehigh.EDU Wed Apr 30 18:03:51 1997
From: camqrp@cyberg8t.com (Cam Hartford)
Subject: [18647] ARCI Spring contest logs
Message-ID: <199704301620.JAA17191@key.cyberg8t.com>

Contest-people,

I have received Spring QSO Party entries via e-mail from the following folk --

if you think you have e-mailed me a log but are not on the list, give me a shout.

KI7MN
KU7Y
N4JS
K3WWP
WJ7H
K2HPV
WA1QVM
AA1PB
KC1DI
WQ8RP
K8ZFJ
KQ0I
AB6TK
K3TKS
G3XJS
W4ED

Thanks and 72/73,

Cam N6GA

WIMPS: Qs=018 30m=15 17m=1 12m=0 States=06/01/00 DX=03/00/00

From owner-qrp-l@Lehigh.EDU Wed Apr 30 18:03:51 1997
From: Doug Hendricks <ki6ds@dpol.k12.ca.us>
Subject: [18641] Columbus QRP Club Receiver Kit
Message-ID: <3.0.1.32.19970429113152.006c4664@telis.org>

I got my CQRP Club Mini RX kit in the mail Thursday. It is a D.C. receiver that is designed to be a match to the Micronaut transmitter that was featured in CQ by Dave Ingram a few months ago.

Steve Bornstein is the designer and puts the kits together for the club. Everything is very well packaged, parts are first class, and the board is very good, except for one thing. The solder mask will tend to bubble if you aren't careful, especially around the ground contacts. But, for $18 who would expect a screened, solder masked board? Well, get ready, because that is exactly what you get from CQRP Club.

The manual was very straight forward and easy to read and follow. Plenty of diagrams where necessary. It took me exactly 1 hour to build and I took my time plus had 2 phone call interruptions (where is my Spring issue of QRPp???).

I plugged in a battery to the connector supplied, connected the antenna and earphones and voila, there were signals in the headphones. I tuned across and found that it covers 2.5 kHz around 7.040, which is just the right area. Plenty of headphone volume. "Hey, honey, come here and check this one out."

My wife came, looked, said "That's nice, are you ever going to clean this room?" and left. Don't worry guys, JoAnne is not impressed with ham radio, qrp, or any of the things connected with it. But she would rather that I do that than chase redheads.

I, on the other hand, love the kit. It is simple, easy to do, and it works. Nice pots are supplied in the kit, and that is one of the best things about this one, all parts, board, and connectors are included. No toroids, no adjustments, just solder and it works. If you have never built a kit, this is an ideal starter. If you have boy scouts or girl scouts (gee that was politically correct even, maybe there is hope for me afterall) you could order a couple of these kits and they could have some fun with it.

Impressions: Very well done kit. All things get a first class rating.

Parts: First Class
Manual: First Class
Shipping Container: First Class
Fun Factor: First Class
OverAll Rating: First Class. Buy this kit.

Disclaimer. NorCal does sell the crystals for this kit to the Columbus QRP Club. We sell them at a reduced price and do it as a break even thing to cover our costs. We are able to buy in large quantities to help reduce the price and pass the savings along to the Columbus QRP Club. We do not get any other considerations. Both Jim Cates and I bought our kits, just like you.

From owner-qrp-l@Lehigh.EDU Wed Apr 30 18:03:51 1997
From: n0acs@juno.com (John R. Morris)
Subject: [18686] CRYSTAL GROUP BUY
Message-ID: <19970430.155359.6839.10.N0ACS@juno.com>

Hi Gang,

THREE (3) DAYS LEFT TO GET YOUR ORDER IN FOR THE CRYSTAL GROUP BUY.
OFFER ENDS SATURDAY MAY 3.

DON'T MISS OUT!

73
John
PHOENIX CRYSTALS
1714 North Ash
Nevada MO 64772

E-mail: n0acs@juno.com
FAX: 1-417-667-6169
Phone: 1-417-667-6179

From owner-qrp-l@Lehigh.EDU Wed Apr 30 18:03:51 1997
From: FAITHD@dnr.state.wi.us (Don C. Faith III, AM/7, \(608\) 267-3135)
Subject: [18627] Dan's Cent. 80m SSB: Works!
Message-ID: <009B38C2129F7C7C.9D1F@dnr.state.wi.us>

Right after I placed my order w/ Mouser for replacement final
transistors, I started looking around some more and also
noticed that the oscilliscope waveform following the second
amplfication stage was somehow 'fuzzier.' Upon reading further
and more closely in the instructions discovered that the (T3 and
T4?) torroidal transformers were supposed to be on T37-43 cores
(Ooopps!!): I had just grabed a couple of T37-2 cores from my
junk box, thinking that those black cores were just unpainted
T37-2's. (drat, dang it, ..., read the durn instruction Carlos).
Made new transformers (there was plenty of wire to make a new set):
12 turn primary, 6 turn secondary.

Soldered them in last night and Abracadabra, it works! After
listening around on the band for an hour or so hoping to answer a CQ,
finally found a group at the top of the band jumped in and said hello.
They said my audio was muddy but they had good copy (Yippie!). Didn't

tell them I was QRP but had a brief chat (told them I was using a kit radio from Dan's) then shut down (it was past my bedtime: 4AM comes early).

Currently the max. output appears to be about 2.5 W. I expect this is due to insufficient drive from the microphone. I have been testing using both a stock RS dynamic mike (from a 10 - 20 yr old CB) and one of their power mikes but they may not be providing enough drive.

I am going to take the housing of an old RS power mike that was given to me and use it to make an electret (condenser) power mike per the guidance given in the instructions. I checked at a couple of truck stops but couldn't find the Barjan or Tracker type mikes described in the instructions. The other after-market mikes I saw ran about $50; too much if I can figure another route.

Review so far: V. good. There are only 5 easy torroids to wind and except for my torroid mix screwup, it would have been working completely at the start. Alignment is fairly simple: One pot is adjusted to get the right gate voltage and two IF transformer cores are adjusted for max. signals (one receive, one transmit). Also, need to make the VFO adjustments (padding resistors/pots) to get the right range. So far I am very impressed by the varistor diode tuning: It appears to be very stable and have not detected any drift. I have not tried using it with CW. Though it should work, this would be a good application for an add-on SCAF or DSP to narrow the bandwidth. I chose to socket all of my IC's: I realize that some consider this inadvisable but I haven't had problems myself and I _hate_ unsoldering an IC.

Hopefully my "muddy" signal is from insufficient mike drive but will be investigating this further.

The instructions indicate that the kit is not recommended as a beginner kit (but it acknowledges that you may have to start somewhere) and would not be unreasonable as a first or second kit. I did refer back to the 38S instructions on torroid winding when doing the torroids for this kit (nice job guys).

I am a v. experienced kit builder. Toughest kits: 1) Heathkit Monochrome Monitor and 2) Heathkit H-151, 4.6 Mhz 8088 PC compatible circa 1984 (pre ham lic.): The extra floppy drive cost $300+, about the same for the extra 64K memory (128K total). The PC totaled over $3000, but I had a PC compatible about a year before my employer did.

Hope this (and prior msgs) are helpful to others considering the kit. Will be checking in on some local nets and with some friends once I have a new mike hooked up and may have some additional feedback from that.

73 (es 72) de N9WR, Don C. Faith

From owner-qrp-l@Lehigh.EDU Wed Apr 30 18:03:51 1997
From: "J. Skalski" <jskalski@acsu.buffalo.edu>
Subject: [18682] DAYTON QRP LIST (4/30/97)
Message-ID: <Pine.GSO.3.95.970430171734.15802A-100000@autarch.acsu.buffalo.edu>

This is a list of the qrp vendors and hams who will have flea
market spaces at Dayton. I will compile a list and post it here until
 Dayton. This list may be of use to hams that won't attend...they
 can use it as a shopping list.
   I will be using the categories listed in the ARRL handbook under Component
  data /ARRL Parts supplier list.(with slight modifications)

  A- General Suppliers
  B-Inductor Cores
  C-Circuit Board etching supplies
  D-RF Power transistors
  E-Microwave components
  F-Antenna Hardware
  G-Dials and Knobs
  H-Variable capacitors
  I-Transformers
  J-IF filters
  K-Project Cases
  L-Project Kits
  M-Surplus Parts
  N-Vacuum Tubes
  O-Mechanical Teletype Supplies
  P-Integrated Circuits
  Q-Equipment Manuals
  R-Test Equipment
  S-RIGS-NEW
  T-Etched Circuit Boards
  U-Wire
  V-Crystals
  W-KEYS
  X-ANTENNAS-NEW
  Y-RIGS ETC-USED
  Z-OTHER -HAM RELATED

Individuals and Businesses that have responded:

KANGA US
Table 514
L,V

Kanga@bright.net

NorCal ARP Club
Space 242 (inside Hara Arena)
L
Ki6ds@telis.org

VIBROPLEX
Booth 303
W
W4oa@vibroplex.com

A post will follow describing how to add your name or group and location
to this list. We still need other kit suppliers and key manufacturers.

From owner-qrp-l@Lehigh.EDU Wed Apr 30 18:03:51 1997
From: SNickrand@aol.com
Subject: [18654] Dec QRPp partial copy request
Message-ID: <970430130304_168446064@emout18.mail.aol.com>

Having got the March QRPp, I now know that Norcal did receive my renewal and
that the December issue is lost forever in the bowels of the USPS.
 Therefore, reviewing the table of contents of Decembers issue, could someone
please copy only TWO articles for me

1. A mighty fine tuner
2. QRP Hints and Kinks

I will re-emburse you for your costs . Thanks in advance. Bill Nickrand,
 KB9KOL

From owner-qrp-l@Lehigh.EDU Wed Apr 30 18:03:51 1997
From: Monte Stark <ku7y@sage.dri.edu>
Subject: [18616] DX
Message-ID: <Pine.SUN.3.90.970429224637.17930B-100000@vortex>

Hi All,

Here is a little bit about BS7H.....

>>>>>>>>>>>>>>>>>>>>>>>

The Chinese Radio Sports Association (CRSA) should be on the air as BS7H from Huang Yan Dao which means "Yellow Rock Island" by the time you read this. Scarborough Reef is an undisputed territory of the People's Republic of China located at 15.1 degrees North and 117.5 degrees East in the South China Sea. It is located more than 500 statue miles from the P.R.C. mainland. During the 1995 operation about 12,500 contacts were made.

They landed at the first location around 15:00Z. They plan to start sometime around 04:00Z today.

>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>

This and much more DX info is available daily from:

http://www.wdn.com/thedailydx

This is the very best DX news system I've seen yet. If you like to keep up with the DX world, be sure to check this out.

cul,

73, Ron,   SOWP 5545M,

.........KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu...........Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

From owner-qrp-l@Lehigh.EDU Wed Apr 30 18:03:51 1997
From: Brad Mitchell <bmitchel@kodak.com>
Subject: [18636] FDIM and PCB Layout
Message-ID: <33678799.4864@kodak.com>

Is this part of FDIM happening?

I haven't paid too much attention, but am wondering.
I would like to look at other packages to use out there,
and am wondering if anybody will be demoing.
It sometimes takes a demonstration to understand how to uses these tools.

     I downloaded PADS off the network, and stared at it

for several days till someone showed me how to use it.
It works quite well, once you know how.

73 Brad WB8YGG

From owner-qrp-l@Lehigh.EDU Wed Apr 30 18:03:51 1997
From: Howard Sherer <howardsh@ptdprolog.net>
Subject: [18631] FS Index labs QRP+
Message-ID: <3367487D.4D84@ptdprolog.net>

FS Index labs qrp+ s/n 978 orignal model mint condition, with mic and alc mod for greater ssb output. $425. Howard AE3T Allentown, PA

From owner-qrp-l@Lehigh.EDU Wed Apr 30 18:03:51 1997
From: mdwatt@usit.net (Marty Watt)
Subject: [18653] FS or FT: Complete 40m QRP station!
Message-ID: <336f7abd.51577724@smtp.usit.net>

I have an MFJ 9040 CW transceiver, with Outbacker, Jr. multi-band (80-10) mobile HF antenna, unbuilt TiCK keyer w/instructions and datasheet, and Bencher BY-1 Iambic Paddles with plexiglas dust cover.

The radio is perfect for that tech+ or novice that wants to upgrade. Covers all of 40m CW band - 7.000 to 7.150. Currently set conservatively at 3.5W out, can easily be used with battery. The Outbacker, Jr., is a 4-ft multi-band antenna, used primarily mobile with excellent results. Included is a set of vice-grips with antenna and coax connector, to attach to convenient ground (metal railing, fence, or wire with support), if you don't want to run mobile.

Keyer is the TiCK keyer chip by Embedded research. It isn't built, so you can decide whether to build inside the rig or external. Novice builders can put them together in under 2 hours, quite easily.

Would like to trade for Alinco DR-610 or similar dual-band VHF/UHF radio, to be used primarily VHF/VHF for Skywarn activities. Ability to work VHF/VHF is failry important ...

OR, will sell for $425, incl. shipping lower 48.

Excellent novice rig, makes great gift for that first-time ham on

HF, etc., etc., etc.

72 es 73 de=20
Marty, KM7W

Jackson, Tennessee e-mail: mdwatt@usit.net
http://www.public.usit.net/mdwatt
"The Curmudgeon's Corner"
NorCal #2031 - ARCI #7514 - QRP-L #953 - AK/QRP #098 - Grid EM55oq
~~~~~~

From owner-qrp-l@Lehigh.EDU Wed Apr 30 18:03:51 1997
From: "John A. Evans - N3QOO" <jaevans@cos.cst.titan.com>
Subject: [18662] FSFM last night
Message-ID: <199704301746.NAA124369@nss2.CC.Lehigh.EDU>

OK, I fell on my face - did anyone have any success last night with Ohio ??

72 de n3qoo - john

John A. Evans Chief System Administrator
Office: (719) 528-1800 x164 Titan Client/Server Technologies
Fax: (719) 528-1275 1115 Elkton Dr, Suite 200
email: jaevans@cos.cst.titan.com Colorado Springs, CO 80907-3535

Norcal #262 QRP-L #219 QRP-ARCI #8303 NE-QRP #213 CQC #045
CQrp #15 NJ-QRP #50 AK-QRP #52 NW-QRP #454
Personal Web Page: http://www.geocities.com/capecanaveral/9773/

From owner-qrp-l@Lehigh.EDU Wed Apr 30 18:03:51 1997
From: torell@sicom.com (Kent Torell)
Subject: [18660] hand key suggestion
Message-ID: <v02130500af8d30e497d3@[192.91.202.41]>

I just received a mini key from South Africa, and used it in the qrpttf operation. Very pleased, rugged key, and only $28! It took just under 1 month to get here. I sent them a check. Art Searle wrote up a note about it some time ago:

Description of Lima Electronics mini-straight key:
~~~~~~

The base is a black plastic 3" by 1 1/2" and 1/4"
thick. It looks like a very durable modern plastic.
It has very shallow rubber feet glued on the bottom.
The glue had distorted the rubber and I had to file
them to get the key to lay flat. All of the key's
hardware is stainless steel (I think). There are
burrs on the edges of the hardware but that is only
cosmetic as the key seems very smooth. There are 2
adjustment on the key, one for contact height that
has a lock riing and one for spring tension that
doesn't. The knob is 1" in diameter. This mini-key
has a hood covering all but the knob. The hood
slides into grooves on both sides of the base.
In the middle of the hood is the male half of a
snap. I suppose this is to attach a strap (not
supplied) to attach it to your knee. The key works
as well as any key I own and it's small size
doesn't make it unstable. I placed this order
sight unseen and had no idea what I was getting.
I've been burned with other blind purchases but I
like this key and it took less than a month to get
from South Africa.

Contact: Marc, ZS6HZ, Lima Electronics, PO Box 707, Bergvlei, 2012,
Republic of South Africa
phone: 27-11-444-0444 fac:27-11-444-0459

Price when I got mine was $25 plus $3 shippint.
VISA or MC or bank draft (check)

I weighed it at 4 oz.

Kent Torell   torell@sicom.com   602-607-4852
SICOM   7585 E. Redfield, #202   Scottsdale, AZ   85260
AB7OA scQRPion 6,qrp-l 57,ARCI 9075   DM33xn 33.55 N 112.078 W

From owner-qrp-l@Lehigh.EDU Wed Apr 30 18:03:51 1997
From: Glen Reid <k5hgb@flash.net>
Subject: [18687] Homebrew Magazine
Message-ID: <3367CAC0.4CD0@flash.net>

Anybody know what happened to "HAMBREW" the
magazine?

Just noticed I haven't received one lately.

Tnx es 73

gr
--

GLEN REID
K5HGB
Austin, Texas
...in the beautiful hill country of TEXAS...

Email: k5hgb@flash.net

From owner-qrp-l@Lehigh.EDU Wed Apr 30 18:03:51 1997
From: Mike Czuhajewski <wa8mcq@u1.abs.net>
Subject: [18651] HW-8 info available
Message-ID: <Pine.BSI.3.93.970430125118.2304A-100000@u1.abs.net>

A couple days back someone asked for some HW-8 info (and probably received
two dozen offers by now!). Don't forget there's also a book of mods
available on it, called the HW-8 Handbook, a compilation of things from
various places over the years. (It also has a little bit on the HW-7 and
HW-9, and some things that are generic and apply to all.) These are still
available from Mike Bryce, WB8VGE, 73357.222@compuserve.com. You can
e-mail him and ask the current price.

There's also a little more info available that's not in there--I
discovered several years ago that the cores in the output filters for 80
and/or 40 can go bad and suck up lots of the output power and no amount of
tuning and tweaking the rig will help. You can get that via ftp from
lehigh.edu, under the qrp-l area, articles subdirectory, file name
badhw8cores.mcq. (The information, in a very condensed form, also
appeared in QST and SPRAT; the info in the qrp-l ftp area is my original
QRP Quarterly article along with some followup info.)

73 and Queue Our Pea DE WA8MCQ   wa8mcq@abs.net

From owner-qrp-l@Lehigh.EDU Wed Apr 30 18:03:51 1997
From: Ed Loranger <we6w@qsl.net>
Subject: [18644] HW-8 on 15 Meters
Message-ID: <33676C58.301F@qsl.net>

Well, I've been trying to fix the HW-8 as you all may
know by now...
After one more final alignment and coil mod, I now get
the w6wx beacon. Every 3 minutes on 21.150 he sends:
w6wx - - - -; where each daHHH is LONG. the call and first
daHHH is at 100 W, then the last 3 Daahhhs are 10W,1W,.1W.
I can hear the 1W just barely from my qth. Not bad I'guess
for a crude 32 ft vert. at the side of the house with
3 8AWG radials on concrete...

Beacon Info:The QRZ Callsign Database
Search results for "w6wx"

```
  Callsign: W6WX
 Club Name: NORTHERN CALIFORNIA DX FOUNDATION INC
     Addr1: 15300 SODA SPRINGS RD
     Addr2: LOS GATOS CA   95030
   Country: USA
 Effective: 10 Jul 1996
   Expires: 10 Jul 2006
   Trustee: W6QHS
  Location: 37.223 N   121.977 W   Santa Clara County   info
   Heading: 153 deg,  94 miles,  152 km
     Email: [unknown]   Update Email Address
```

To learn more about the beacon, (As I did)
http://www.ncdxf.org/beacon.htm

I also looked at the MUF... Looks like bad props too!
More info on MUF: (Maximum Usable Frequency):
http://solar.uleth.ca/solar/www/realtime.html

Thanks all for listening.

-Ed
--
72/73 de WE6W QRP .3W QSX 7040 KHz SK ee (First and Last callsign!)
HW-8;OHR-100, Pixie2, Johnson Viking II w/VFO.
mailto:we6w@qsl.net QRP-L member #1068.
http://www.qsl.net/we6w

From owner-qrp-l@Lehigh.EDU Wed Apr 30 18:03:51 1997
From: "Phil, K6LS" <k6ls@amsat.org>
Subject: [18620] K6LS going QRT...
Message-ID: <3366F54A.1FC3@amsat.org>

howdy to all,

I want to thank you all for the information that has flowed from
your computer to mine over the past year or so. I will be going
QRT from the internet and from HF and WeakSignal VHF+.

I have received a company transfer that takes me from here in
central California to Denver, Co. The company wants me to be
there on the 11th of May, so I have very little time in which
to pack up an entire house and familly and move. Unless I get
an extention by tomorrow, I will QRT all un-needed activities
by the end of wednesday the 30th (today). This has caught me
very much by supprise and very off-gaurd. I have only been
waiting for 6+ years for this move to take place, and now that
It has happened it is still unbelivable. I appoligize for not
sending individual messages to my 'close friends', so a small
message to 'all friends' will have to do for now.

ya'll take care now, and we'll   b c n u

73, 72, dit dit, ect.....

--
73 de Phil, K6LS (on the way to K6LS/0   DM79)

new address to be posted asap :-)

CM97QI, Merced County
k6ls@amsat.org
http://www.qsl.net/k6ls

snail mail WILL be forwarded from my listed address as in the callbook
for about 2 months.

From owner-qrp-l@Lehigh.EDU Wed Apr 30 18:03:51 1997
From: "Carol N. Wright" <cnw@hiwaay.net>
Subject: [18605] KT4LD or K4HQ?

Message-ID: <Pine.OSF.3.94.970429200458.16603A-100000@fly.HiWAAY.net>

Hey Gang,
I am trying to get in touch with Andrew Lewis, K4HQ, use to be KT4LD and KE4LJM I think. Also, I know hiw email address is either kt4ld@juno.com or k4hq@juno.com.

I sent him some email to both of them and never got a reply. So do I have the wrong email address? Best 72/73 DE Matt, AE4JM

From owner-qrp-l@Lehigh.EDU Wed Apr 30 18:03:51 1997
From: Scott Rosenfeld NF3I <ham@w3eax.umd.edu>
Subject: [18623] LDG autotuner purchase on its way!
Message-ID: <Pine.3.89.9704300618.E15812-0100000@w3eax.umd.edu>

Again, if you're interested:

AT-11 (150w)
kit $127.50
enc $ 30.00
assembled $190.00

QRP
kit $85.00
enc $25.00
assembled $139.00

This will run until the middle of next week so I can get $$$ here and the order placed in order to have them for Dayton.

* Scott Rosenfeld NF3I Burtonsville, MD FM19mc QRV 80-10/6/2/440 *
*** 6m 75 grids worked on 8 watts *** HF 140 cfmd * QRP-L #147 ***
** QRP ARCI #9054 ** DXCC/WAS/WAC *** 100% dipole powered HF/6m **
* 301-549-1022 h / 301-982-1015 w *** 145.490- 147.225+ PL 156.7 *

From owner-qrp-l@Lehigh.EDU Wed Apr 30 18:03:51 1997
From: REDSBOY@aol.com
Subject: [18610] Lost in the Shuffle?
Message-ID: <970429231729_-1968946242@emout11.mail.aol.com>

I think that when AOL blew a fuse and E-mail got locked up for so many hours

yesterday, I must have missed my "Digest." I haven't had one for two or three days now. I am starting to twitch.

Did anyone else feel left out? (I'm paranoid and need constant reassurances.)

Can anyone tell me how to get a "back issue?"

HALP!

Karl W4UTI

From owner-qrp-l@Lehigh.EDU Wed Apr 30 18:03:51 1997
From: "Marshall Emm" <mgemm@mtechnologies.com>
Subject: [18678] Low Down is in the mail
Message-ID: <199704302040.OAA27222@lynx.csn.net>

CQC's journal Low Down went into the mail today, so of you don't have it by this time next week (or a post card suggesting that you renew your CQC membership [g]) please let us know-- email to rschneid@ix.netcom.com.

Here's SOME of what's in it:

"Antennas from the Ground Up Part 4 - Fold, Bend, and Mutilate or Making a Dipole Fit the Space Available," by L.B. Cebik W4RNL

A review of Doug DeMaw's (W1FB) "Ferromagnetic-Core Design & Application Handbook"

CQC Winter QSO Party Results and Rules for the Summer '97 event.

"Soldering, a Primer - Part 2" Jack Allen Horrigan AB0DB

For more information about CQC (and an on-line application form) check out the web site: http://www.mtechnologies.com/mthome/cqc.htm.

From owner-qrp-l@Lehigh.EDU Wed Apr 30 18:03:51 1997
From: jerryh@webzone.net (Jerry Henshaw)
Subject: [18680] Mercury Paddles vs Schurr Paddles
Message-ID: <01BC557E.BC87FC00@chenshaw.ionet.net>

Hi Gang,

After attending the Oklahoma City QRP club meeting last Saturday, I am =
now left with a dilemma. I am going to Dayton again this year and I was =
intending to purchase a Schurr Paddle to compliment my Schurr straight =
key.   I really like the straight key and use it almost exclusively.   =
One of the hams in OKC said he had a Mercury Paddle and was very pleased =
with it but he hadn't seen or used the Schurr Paddles. Both of these =
paddles are NOT cheap and I was wondering if anyone on the list has used =
both paddles and could help me choose between the two. I have played =
with the Schurr Paddles at a ham store several months ago. I haven't =
seen nor used a Mercury Paddle. I was told Chuck Adams has a Mercury =
Paddle #300 I believe. Anyway, before I part with some hard earned cash =
I wanted to make sure I am making the right decision. The best way is =
to play with both of them and compare soooooooo..... does anyone know if =
there will be a Mercury Paddle at Dayton? If so, please let me know =
where I could see one. Hey, Chuck, bring yours to FDIM. I plan to =
bring my straight key.

Thanks in advance for your help.

72's

Jerry Henshaw
KR5L

From owner-qrp-l@Lehigh.EDU Wed Apr 30 18:03:51 1997
From: Mike Czuhajewski <wa8mcq@u1.abs.net>
Subject: [18655] More bad core info
Message-ID: <Pine.BSI.3.93.970430130707.2809A-100000@u1.abs.net>

Regarding my earlier posting about bad HW-8 cores, I checked the file at
lehigh.edu and found that it did not contain everything I thought it did.
It turns out that some of the followup info is in a separate file called
zapcores.mcq, which goes into some of the experiments I did to
deliberately zap some perfectly good cores and make them just as bad as
the ones in the HW-8 that were defective.

73 and Queue Our Pea DE WA8MCQ wa8mcq@abs.net

From owner-qrp-l@Lehigh.EDU Wed Apr 30 18:03:51 1997
From: "John A. Evans - N3QOO" <jaevans@cos.cst.titan.com>
Subject: [18657] NC40S
Message-ID: <199704301718.NAA50887@nss2.CC.Lehigh.EDU>

> Ahhh, the joys of prototyping! Thanks Wayne for the posting. Annnnd,
> don't forget the NC40S.

Got a better name for it !!! The low power version (w/o 5w mod) can be called
the NC lower-48 special !!!

john

John A. Evans Chief System Administrator
Office: (719) 528-1800 x164 Titan Client/Server Technologies
Fax: (719) 528-1275 1115 Elkton Dr, Suite 200
email: jaevans@cos.cst.titan.com Colorado Springs, CO 80907-3535

Norcal #262 QRP-L #219 QRP-ARCI #8303 NE-QRP #213 CQC #045
CQrp #15 NJ-QRP #50 AK-QRP #52 NW-QRP #454
Personal Web Page: http://www.geocities.com/capecanaveral/9773/

From owner-qrp-l@Lehigh.EDU Wed Apr 30 18:03:51 1997
From: emaaro@pacbell.net
Subject: [18603] New England QRP Club Newsletter
Message-ID: <33667FCD.118C@pacbell.net>

Along with the Spring issue of QRPp came the New England QRP Club
Newsletter, 72. 24 pages with 24 very interesting articles. Dennis
Marandos, K1LGQ and all the contributors did it proud. CONGRATULATIONS!
It's reading well worth the $10.00 membership fee. Dennis' e-mail is:
<k1lgq@dennis.mv.com>. New membership is: William McNally, AE1D,
<mvwkm@mvgse.lucent.com>.
emaaro

From owner-qrp-l@Lehigh.EDU Wed Apr 30 18:03:51 1997
From: JEVERHART@cayman.vf.mmc.com

Subject: [18637] NJQRP QTTF 97 (VERY LONG)
Message-ID: <970430101222.206798f8@cayman.vf.mmc.com>

Group,

I can't leave well enough alone. Here is a combined QRP to the Field Report for the NJQRP club. Members have submitted individual reports with score totals and all that dry, boring boring stuff, but this is an attempt to tie it all together and, perhaps, to make you chuckle a little

New Jersey QRP Club QTTF Site Selection

DANGER - PUNS AHEAD - you might want to exercise discretion in exposing the humor-impaired, sensitive individuals and small children to the following...

Site Selection

The membership of the NJQRP group recently underwent an exhaustive search for significant locations for our QRP to the Field operation. Since we wanted the best location possible, the site search began in the neighboring state of Pennsylvania.

The first spot we looked at was in central Pennsylvania near the Gettysburg Battlefield. However the National Park police weren't at all civil so we decided not to address that place. Coming east a bit, we thought of Three Mile Island near Harrisburg. But Cam, KT3A and others had already staked a claim there and we were afraid that there would be a reaction to too much radio activity there. Closer yet to New Jersey was Valley Forge park, but we decided that going there was too revolutionary.

Just across the River from New Jersey, we looked at a couple of possibilities in Philadelphia. We tried to get permission from the folks at the Independence Hall, but asbestos we tried, we could not get in. So then we checked out the Navy Yard, home of the WWII Philadelphia Experiment, but the (Philadelphia) lawyers shut us down when the ship we hoped to use just disappeared. Right up the street was the parking lot of the Corestates Center where the 76'ers play basketball (?), but they weren't game so we lost out there. Our final out of state choice was in Lancaster, but we were afraid that the Amish there might not appreciate our group so we decided not to get in Dutch with Pennsylvania.

That meant we had to settle on New Jersey because the mob of us decided that Jersey was Our Thing.

One possibility was Camden where we could operate near site where Campbell's Soup used to have a plant, across the street from the RCA Nipper Tower. However some local inner-city youths stole our site and we had to can that thought. Nearby was Deptford, home of Blanchard's historic landing, but the

owner of the land there proved to be full of hot air and the effort of setting up in that site simply kept ballooning. There was also a location in Pennsauken (Indian name for land of industrial parks built on toxic waste dumps by the fetid waters). When our delegation went there, they found our projected site now occupied by a trash to steam plant. We took a gamble on Atlantic City but we couldn't find a slot. Someone else had a monopoly on good locations and trumped us so we decided that that site wasn't in the cards.

Up at the other end of the state (actually our northern neighbors claim it is their land), we tried for Ellis Island. But there were too many tourists, so we abandoned it to the huddled masses. The Meadowlands up by Giant Stadium in East Rutherford seemed appealing. On inspection though, Jimmy Hoffa's spirit shooed us away telling us that he had that location set in concrete. Or was it the other way around? There were several sites along the Jersey Turnpike, but they were impossible to find in the smog from all those refineries! Besides, travelling on that road always takes its toll. One of the guys who lived near there had the inventive idea of going to Edison, but we finally saw the light and decided against it.

We inquired about operating near Bell Labs in Holmdel. We were unable to make a proper connection. We could only get their voice mail so we decided not to get too hung up on operating there. The authorities at Fort Dix proved too militant, scratching that as a possibility. Heading east we looked into Leeds Point, home of the Jersey Devil. Looking for antenna supports we found that the pines growing there were too barren for. The state capitol of Trenton was definitely too taxing. Nearby Bordentown, named for the infamous Lizzie Borden was chopped off our list, too.

So instead we chose a location close to Princeton where it is reported that Albert Einstein used to go fission. It is Grovers Mill, the historic site of the Martian Invasion in the October 30, 1938 War of the Worlds radio broadcast.

And that is more or less how we chose our QRP to the Field site!

The scene

Van Nest Park, our final selection is an excellent place. It is on a small lake just up the road from a feed store with the name Grovers Mill on the side. Presumably there once was a mill on the small stream flowing by. The park has a large open field next to the lake with a picnic grove, a covered pavilion and plenty of nearby trees. And no shortage of Canada geese.

Near the pavilion is a large plaque suitable adorned with board droppings commemorating the Grovers Mill as the site of the martian landing in the famous October 30, 1938 War of the Worlds broadcast A suitable picture will

be posted on the NJQRP web page in the near future.

The activity

The gang began to arrive at about 9 a.m. In retrospect this is too early for a sprint that is nationwide in scope. To fortify the troops, I brought along bagels and cream cheese and George Heron N2APB brought he coffee!

Several stations were set up. James, KA5DVS used his FT301 with a sloping wire down by the lake next to the pavilion for an SSB endeavor. Sad to say that he and Bill, W2DP heard lots of stations and some dx, but few of them were operating in QRP to the Field. They did, however manage to work a local station, KB2ZSB. This fellow, Dave Zinetti had recently gotten a new rig and was trying out QRP! He stopped over and checked us out for several hours and NJQRP gained a new convert.

Clark, WA2UNN used part of the pavilion to operate his own SSB station. His Argo 509 and tree-supported dipole also managed to hear plenty of dx but netted only a single QTTF QSO. Clark was very popular, though because he brought along lots of fruit, sandwich fixings, potato chips and antenna wire.

George Heron, N2APB, opted to camp out on the open field among the duck droppings (they must enhance soil conductivity). Out in the clear, his trap vertical and Sierra did an excellent job on 20 and 40 cw. George dragged over a picnic table, set up his beach umbrella and beach recliner. His was definitely the classiest station on site! George was like a kid in a candy shop once he realized that a.) There were large trees placed strategically across the clearing and b.) Clark had a (*large* reel of wire just itching to be made into an antenna. He set up a humongous loop (more details in his individual report) that looked like a giant coat hanger several hundred feet on a side! If there had been more activity, he really would have cleaned up with this one! Of course he kept a close eye out for the park police. They would not have believed his story about putting up antennas if they had seen him walking round a bunch of geese with a sling shot - certainly not in New Jersey!

Another man outstanding in his field was Dean, N2TNN. He and N2APB made up a kind of tag team match who wrestled QSo after QSO from the sparse QTTF competitiors. And when he wasn't operating, Dean was working on his SSLV (Slanted St Louis Vertical). Once more soft soil (aided by goose err... grease?) kept it from acheiving vertical stability. On the other hand he *was* able to decpher some of W6MMA's info sheet and tune up his SLV. Vern's adjustable loading coil really is nifty!

A non-operating visitor to our site was another George _____ who has built a neat 30 meter QRP rig using for its basis an inexpensive synthesized broadcast radio. He declined to get on the air, but showed us his goodies and

handed out sketches. We are encouraging him to write it up for the qrp journals since it is a simple, inexpensive way to make a synthesized qrp transceiver..

Ken, N2CQ didn't bring his station, but he *did* bring his memory keyer and paddle - kinda like a pool shark with his own cue stick! He also brought along lots of hot dogs and fixings. He "borrowed" other's stations when they got tired and racked up 11 Q's on 20 and 6 on 40 for a total score of 800 points which is not too shabby considering the lack of stations hear.

Bill, W2DP also didn't set up a station, but he did bring long his QRP+ and QRP Pal and even more hot dogs and pickles. He graciously allowed me (N2CX) check it out with my setup to compare with my equipment. he made at least one SSB contact with James's rig when he coerced me to work him on 20 SSB. It's been a looong time since I operated HF SSB. I may not do it again for a while 'cause he told me I sounded like Donald Duck.

N2CX Setup

I opted to operate from the picnic pavilion. With James's help, a "Halfer" was configured as end-fed inverted U for 40 meters and end-fed half square for 20. We taped quarter-wave counterpoise wires for 20 and 40 around floor of pavilion out of the way and the antenna tuned up well - with a clip lead in series because it was erected too high!

Operating under cover wasn't such a smart idea after all. With the cool breeze off the lake it was awfully cool under cover. George's coffee kept the icicles at bay, but I had to get up periodically and go warm up in the sun!

Rigs used were W2DP's QRP+ and venerable Argo 509. Both had advantages and disadvantages. QRP+ was slick to operate with its digital dial, extremely effective switchable-bandwidth audio filtering, and built-in keyer. BTW, is that cw speed indicator accurate? I set it for 20 wpm and found it glacially slow! However the QRP+ reciever seemned rather noisy. At Clark's suggestion, we drained wind-generated static off the antenna and got rid of some noise by shunting a 200 k resistor from antenna to ground. But there was still ipmpulse-type noise that was very annoying.

The Argo heard the same sort of noise too, but was usable in its presence. Using it, noise did not degrade reception nearly as much as with the Index rig. so it became rig of choice.

However there was another plus (pun intneded for Index rig. James's FT301 had strong desensing from my Argo, but not from QRP+. He thought it might be the 9 MHz if sneaking into his receiver. I found that both rigs used for cw suffered interference no matter what band used, from both Clark's and James's rigs.

Club totals

Here are QSO summaries for the CW efforts. No total was avaialble from James or Bill at press time. There were probably fewer than 10 total SSB QSO's, however.

CALL	BAND	QSO	MULT	SCORE	INDIV TOTAL
N2CQ	40M CW	6		5x4x3	360
	20M CW	11	5x4x2	440	
				800	
N2APB	40M CW	22	5x4x3	2640	
	20M CW	5	5x4x3	600	
				3240	
N2TNN	40M CW	9	5x4x3	540	
				540	
N2CX	20M CW	14	5x4x2	560	
	20M SSB	1	5x4x2	40	
	40MCW	6	5x4x2	240	
				840	

Not that it means anything, but the NJQRP'ers on site racked up a total of 74 contacts with a total score of 5420 points.

General Comments

The NJQRP group has found an excellent field operating site and all enjoyed the day. TWe encountered no aliens - unless you count Canada Geese.. The weather was fine overall and with the great great company it was a good day to be out bonding with fellow QRP'ers and eat *lots* of hot dogs! However on-the-air activity was on the low side. We may consider setting up later in the futre and staying past the 6 pm east coast time to catch stations farther west who don't get rolling as early as we did and operated after we had quit.

72/73,

Joe E., N2CX

From owner-qrp-l@Lehigh.EDU Wed Apr 30 18:03:51 1997
From: Martin_Peters@mon.bbc.co.uk
Subject: [18629] QRP magazines
Message-ID: <7AB72B3301C23A0C@-SMF->

Hello all,

Would like to know what US QRP magazines are availble by mail to us here in

the UK.

Any info, ie price, regularity, contact info greatly appreciated.

Thanks,

Martin G4EFE

From owner-qrp-l@Lehigh.EDU Wed Apr 30 18:03:51 1997
From: k8cv@juno.com (Walt D Amos)
Subject: [18622] QRPp waiting
Message-ID: <19970430.104829.10190.5.k8cv@juno.com>

Like Duane , I'm also waiting. Darn..... Mail to Michigan must go via Alaska and use dog sled.

Oh well , back to the oscillator board on my new OHR-400

Walt K8CV

We're just a small sub-group of an eclectic corner of a dying hobby.....

From owner-qrp-l@Lehigh.EDU Wed Apr 30 18:03:51 1997
From: wb2vuo@juno.com (William K Hibbert)
Subject: [18638] QRPTTF and Lousy Bands
Message-ID: <19970430.114528.7543.2.wb2vuo@juno.com>

After deciding that my first site was a dog, and looking at the consistant reports that the bands were flat Statesides for the first 5 - 6 hours, I guess that I will have to return to the Lake to try again in the future.

I quit at the Lake around 1600Z, and made my quick handful of QSO's back here around 2100Z. Based on that, my next outing (which may not wait until the next "Official" QTTF) will start out around 1600 - 1700Z and continue from there. My set-up will be on the air for Field Day with BARK, operating under the call K2BRK, but the only strange happening at the FD site was the fording of the Black Creek with the company car last year (a Geo Prizm, whch ran just fine with water over the hood...)

72/73, Keith, WB2VUO, QRP-L #582, scQRP 40, 100% QRP
Tech Specialist (ARRL/WNY), ARRL Life Member,
Trustee, KB2YTW/B 10 Mtr QRP Beacon (4 Watts @ 28.2870 MHz)
"In the Depths of the Great Bergen (NY) Swamp...FN13ac"

Packet - wb2vuo@w2im.#wny.ny.usa.noam *** Email - wb2vuo@juno.com
SnailMail - CBA *** Phone - 716.494.1239

From owner-qrp-l@Lehigh.EDU Wed Apr 30 18:03:51 1997
From: "Dennis Mangrobang [Contractor]" <dennism@bigboy.West.Sun.COM>
Subject: [18607] QRPTTF Report
Message-ID: <Roam.SIMCSD.2.0.4.862366514.3237.dennism@bigboy>

I returned from a 3.5 week business trip (Indonesia, India, Philippines) just in time for QRPTTF. (I had some vacation time in the Philippines, and wanted to stay longer, but could not miss this contest). During the flights for this trip, I sat next to many interesting people, all of whom knew something about amateur radio, but I did not meet any hams. Its a challenge to explain contesting, especially CW QRP from a field location, and why its so much fun. Explaining the public service aspect of amateur radio is much easier. I've been thinking of taking a QRP rig with me on my trips, but after the hassles I had with customs in India (over a disk drive I was carrying), I'm having second thoughts.

I had wanted to operate QRPTTF from the mountains this year, but I couldn't get everything ready in time. So, Terry WT7F, and I returned to the public park next to the Santa Monica airport, where we operated from last year. This time we were joined by Gray, KQ6MW. He is new to CW and QRP, and helped us with the setup, logging, and public relations. We didn't see any UFOs but Gray did bring a neat solar powered mechanical generator, that looked like it might be an alien death ray weapon. Were going to work with it to see if it can drive a QRP rig for field day. Compared to a solar panel its not very practical, but its much more entertaining to see it operate.

Things went much more smoothly than last year, and I was able to shoot the line over the 85 foot baseball diamond lighting tower on the second try, and we had no problem hoisting up our 40M delta loop. (last year, we had a terrible time with the line breaking, and things getting tangled up on the tower). This year we added a Super CMOS III keyer, so it was much easier to call CQ. I had intended to build a 15M band module for the Sierra, but did not have time; now after reading the QRPTTF reports, I'm glad we were "stuck" on 20M and 40M CW. We ran 950mw, and I was surprised how effective it was to call CQ at that power. I wish I could have that delta loop up at my house for working the foxes! In the end, we ended up more than doubling our score from last year, since we were able to be on the air longer, and call CQ more. There also seemed to be more stations participating this year as well.

The weather was great, and like last yea,r we had a great time watching

the (attractive female) joggers and rollerbladers come by; I love California. Many curious people came by, and Gray did a great time explaining what we were doing, to anyone who would listen. We used a headset in parallel with an amplified speaker. This worked great for working weak signals, while still allowing the logger and spectators to hear what was going on. I think the only thing I would change about this contest is to count the SPCs as multipliers, which would make things even more exciting, IMHO. It was nice to work many stations from the list, and working Area 51 twice was a highlight.

97 Q's * 10 (1 watt) * 4 (field location) * 3 (kit rig) = 11640 claimed pts.

We had a blast! Thanks to NorCal for a fantastic contest.

72,

Dennis, K6JI

From owner-qrp-l@Lehigh.EDU Wed Apr 30 18:03:51 1997
From: Brian Cieslak <brianc@ams-i.com>
Subject: [18630] RE;40m
Message-ID: <c=US%a=_%p=Adaptive_Micro_S%l=AMS-I_SERVER_1-970430131804Z-40@ams-i-server-1.ams-i.com>

Hi Wayne,

If you need Wisconsin on 40M. I'll be on next thursday for a few hours. bewteen 6:00 and dusk CDT. I'll be at the observatory waiting for it to get dark.

Brian AE9K

>I would like to get a WAS on 40m do many of you work 40m and could we >set a >time to make some contacts to help out in this. This may not be the way to >to
>this but thought I would try it. I have a few contacts already on 40m need >some more states.
>73
>KB0PTE
>Wayne
>QRP-L # 1058

From owner-qrp-l@Lehigh.EDU Wed Apr 30 18:03:51 1997
From: torell@sicom.com (Kent Torell)
Subject: [18598] scarborough?
Message-ID: <v02130503af8c2e88b3f7@[192.91.202.41]>

OK...where's scarborough reef (lat, long)? Hard to do propagation forcasts to a place you can't find. I guess I'll have to buy the operators manual this weekend :-/

Kent Torell   torell@sicom.com   602-607-4852
SICOM   7585 E. Redfield, #202   Scottsdale, AZ   85260
AB7OA scQRPion 6,qrp-l 57,ARCI 9075   DM33xn 33.55 N 112.078 W

From owner-qrp-l@Lehigh.EDU Wed Apr 30 18:03:51 1997
From: bachmann@ari.net
Subject: [18611] Scope probe source
Message-ID: <199704300343.XAA29536@mtolympus.ari.net>

Mike,
I have a little experience with an outfit called Probemaster. These probes are new and made in the USA. They sell direct. Free catalog, 1-800-772-1519.

They have a "Gold Probe" series with switched 1x/10x, 1x, 10x, and 100x probes with various 3dB bandwidths. An example is model 4904-2 basic 10x probe kit for $39.95 : 5ft., 150 Mhz 3dB BW, 2.4 nS risetime, 15pf, 10 megohm.

There is also a heavy duty series...model 3904-2 10x, 100 MHz 3dB BW, $27.00

I've used the 4904-2 and the 4906-1. I don't have any reference with which to compare them, but they are durable and haven't given me any trouble.

The MECI catalog has a 1x/10x switchable 60 Mhz probe for $18.49. part number 570-0025. I don't have any experience with it. I just saw it in catalog #100 at the bottom of page 31. Their phone is 1-800-344-4465.

Standard disclaimer: I have no connection of any kind with Probemaster or MECI other than as a satisfied customer.

Rich Bachmann, N3SLR

From owner-qrp-l@Lehigh.EDU Wed Apr 30 18:03:51 1997

From: "Paul Christensen" <paulc@ccse.net>
Subject: [18663] SLV vs. Dipole: Signal Comparisons
Message-ID: <19970430175948.AAA9407@ccse.net.ccse.net>

Has anyone compared the performance of the SLV (original or W6MMA) to a half-wave dipole at 1/8 to 1/4 wave in height on 40 meters?

I suspect that the dipole would be a much better performer for high-angle contacts, and perhaps marginally better than the SLV for low-angle contacts? I realize that the SLV is a quick-install antenna.

-Paul, W9AC

From owner-qrp-l@Lehigh.EDU Wed Apr 30 18:03:51 1997
From: wb2vuo@juno.com (William K Hibbert)
Subject: [18624] Sporatic-E and Beacons
Message-ID: <19970430.075416.7791.0.wb2vuo@juno.com>

Monitoring 28.060 MHz may not alert you to a sporatic-E opening, however the widespread 10 Meter beacons here in the US of A will. I am (still) running the B/BAMS 10 Meter beacon, full time, on 28.2870 MHz. It's running 4 watts to a ground plane up 40 feet. The call is KB2YTW/B, the ID repeates about every 25 seconds, and it's there to be used.

In addition, there are a couple of beacon lists out there, one was posted not more than a month ago. I believe that they are archived, but having only Juno, it's hard for me to check.

I have a March 1997 list, and will post it here, that is as soon as I find where I filed it...

72/73, Keith, WB2VUO, QRP-L #582, scQRP 40, 100% QRP
Tech Specialist (ARRL/WNY), ARRL Life Member,
Trustee, KB2YTW/B 10 Mtr QRP Beacon (4 Watts @ 28.2870 MHz)
"In the Depths of the Great Bergen (NY) Swamp...FN13ac"
Packet - wb2vuo@w2im.#wny.ny.usa.noam *** Email - wb2vuo@juno.com
SnailMail - CBA *** Phone - 716.494.1239

From owner-qrp-l@Lehigh.EDU Wed Apr 30 18:03:51 1997
From: svecbrdk@well.com (L.Svec,W.Burdick)

Subject: [18643] SST parts list/schematic error: output low-pass filter
Message-ID: <199704301555.IAA18928@smtp.well.com>

There's an error in the SST schematic and parts list. For the 40 meter SST, L2 and L3 should have 18 turns, or approx. 1.3 microhenries. These are the same values used in the 40A and Sierra. (Thanks to Bob Parks, K6AEC, for catching this.)

Also, the crystal filter circuit has been improved since I wrote the article, and now has L-C impedance transformation at either end. I'll post the new values for this circuit soon.

Wayne
N6KR

From owner-qrp-l@Lehigh.EDU Wed Apr 30 18:03:51 1997
From: wb2vuo@juno.com (William K Hibbert)
Subject: [18606] Stolen Radio (A L-O-N-G Shot)
Message-ID: <19970429.212246.7791.2.wb2vuo@juno.com>

I got ripped this week. Sometime Monday or Tuesday (28/29 April) my 2 Meter HT was ripped off from the company car. I am posting here because it's possible that it may show up at a flea market or whatever.

It's a Radio Shack HTX-202 with the regular battery pack, and a Mr. Nicad 8-cell "universal" aftermarket pack. No charger packed with it at the time of the theft. The gear was in a black nylon fanny-pack, with a copy of my license and a 1995 ARRL Repeater Directory. I had just received the HT this last week in a swap, and never recorded the S/N, but I did engrave my call and SSAN on the battery rail.

Seeing that my license was in the bag (a copy of it, anyway), the perp might try using the radio with my call, or pass it off at a flea market.

If you hear my call in the EPA area, or the Southern Tier of NY on a repeater,
and it doesn't sound like a 30+ year licensed ham on it, drop me a line with
the particulars here. Same thing if you see such a rig at the next hamfest/
fleamarket you go to.

72/73, Keith, WB2VUO, QRP-L #582, scQRP 40, 100% QRP
Tech Specialist (ARRL/WNY), ARRL Life Member,
Trustee, KB2YTW/B 10 Mtr QRP Beacon (4 Watts @ 28.2870 MHz)
"In the Depths of the Great Bergen (NY) Swamp...FN13ac"
Packet - wb2vuo@w2im.#wny.ny.usa.noam *** Email - wb2vuo@juno.com
SnailMail - CBA *** Phone - 716.494.1239

From owner-qrp-l@Lehigh.EDU Wed Apr 30 18:03:51 1997
From: fmathews@norfolk.infi.net (Frank Matthews)
Subject: [18650] Suggestions for "Hand-Key"
Message-ID: <v01530500af8d3767a558@[208.131.170.223]>

Fellow QRPer's,

Now that I have my OHR100 up and running (what a great little rig!), I'm interested in a hand key for it (not ready to graduate to an electronic key yet). I found a great looking key on Vibroplex's home page but when I called them I lost my enthusiasm. The "basic black" was 139.95 and the chrome was 174.95. Since I would like to remain married and one day reach retirement...I think I need to consider something else.

I've seen these "little red keys" on the internet but don't know much about them or the price. If any of you can offer any suggestions or comments they would certainly be appreciated. I try to make informed and wise consumer decisions when possible as to avoid having to "buy it again".

Thanks

Frank

Frank Matthews
Technology Education Department
Oscar F. Smith High School
1994 Tiger Drive
Chesapeake, VA 23320
(757) 548-0696 Ext. 51
Email/fmathews@norfolk.infi.net

From owner-qrp-l@Lehigh.EDU Wed Apr 30 18:03:51 1997
From: "Phil Sikes" <psikes@whidbey.net>
Subject: [18621] T30WP

Message-ID: <199704300842.BAA01269@islander.whidbey.net>

Life is good! 0842 UTC and I just worked T30WP with 4 watts, my new Omni VI+ and the 30 meter vertical loop. I'm doing the happy dance for sure. Been listening to BS7H since 0500 UTC but they are working JA's.

72 - Phil
Phil Sikes - KJ7NS
ARCI #9196 - QRP-L #528
FISTS #2602 - NW QRP #412

From owner-qrp-l@Lehigh.EDU Wed Apr 30 18:03:51 1997
From: "Owen 'OJ' Quarles" <k1oj@swbell.net>
Subject: [18596] Texas QSO Party Rules
Message-ID: <33667FC6.1C22@swbell.net>

THE TEXAS QSO PARTY - 1997

sponsored by the Texas DX Society

PURPOSE:

To provide competition for Amateur Radio Operators by contacting as many Texas stations
in as many different Texas counties as possible. To provide county hunters the opportunity
to contact rare Texas counties during the published contest time and in accordance with the
rules of operation. =

RULES OF OPERATION:

1. Operation will be permissible only in accordance with current FCC rules or your
country=92s rules.
2. The use of spotting nets, by way of repeaters, packet nodes, simplex operation,
relephone or any other means is permissible in multi op and assisted.
3. Operation on all bands and modes is permitted, except on 30 meters, 17 meters and 12

meters. Stations may be worked once per band per mode.
4a. Texas mobiles may be worked once per band/mode from each county.
4b. Texas mobiles may work stations once per band/mode from each county.
5. The Texas QSO Party will began at 1400Z on the first Saturday in May and end at
2200Z Sunday. Stations may work the entire contest period All logs must be submitted no
later than 30 days after the contest. =

6. For purposes of clarification, separate logs may be submitted for each mode. Dupe
sheets are required for all stations submitting more than 200 contacts. Texas mobiles can
use separate logs per county. =

7. Any station not abiding by all of the rules will be disqualified.

EXCHANGES

Non Texas stations use RS/T, State, Country, Canadian Province, or maritime region.
Texas stations use RS/T and County.

CATEGORIES

Single transmitter QRP (less than 10 watts phone and less than 5 watts CW and other
modes)
Multi transmitter QRP (less than 10 watts phone and less than 5 watts CW and any other
mode)
Single operator
Single operator assisted
Multi Multi
Multi Single
Texas Mobile Single Op (includes assisted)
Texas Mobile Multi Op
Club Aggregate

SCORING:

Texas Stations =

Count two (2) points per phone QSO with any station.
Count three (3) points per CW and other mode QSOS with any station.

Non - Texas Stations =

Count two (2) points per phone QSO with any Texas station
Count three (3) points per CW and other mode QSO with any Texas Station.

Multipliers

Non - Texas stations =

Your multiplier is the number of Texas counties worked. A maximum of two hundred fifty
five (255) multipliers is allowed. 254 regular counties plus Armadillo county.

Texas Stations =

Your multipliers are the number of states worked plus the number of Texas counties
worked plus each Canadian province worked (13 total) plus each DXCC country worked
excluding USA, Canada, Alaska and Hawaii. All additional DXCC contacts worked count for
points. =

Washington DC QSOS count as Maryland contacts =

FINAL SCORE

Multiply the total QSO points times your multiplier to arrive at your final score. =

BONUS POINTS

Non - Texas Stations =

Add one hundred (100) bonus points to your FINAL SCORE for every ten (10) Texas
mobiles worked per band per mode. =

Texas stations =

Add one hundred (100) points to your FINAL SCORE for every ten (10) Texas mobiles
worked per band per mode. =

Texas Mobiles =

Add five thousand (5000) points to your FINAL SCORE per every five counties covered
with at least five contacts in each county. Add one hundred (100) points to your FINAL
SCORE for every ten (10) Texas mobiles worked per band per mode. =

FINAL FINAL SCORE

Add bonus points to your Final score. =

SUGGESTED FREQUENCIES

CW - 30 khz up; Novice/Tech 30 khz up
PHONE - 25 khz up in General segments and 28.300 - 28.500
VHF - 50.200, 144.200, 146.55, 222.100, 432.100, 902.100, 1296.100

ADMINISTRATION:

The Texas DX Society shall appoint a QSO party committee whose responsibilities shall
include the publication of the Texas QSO Party announcement in amateur

radio magazines,
journals, newsletters published by TDXS and other publications deemed appropriate. The
committee shall oversee the receipt of logs and has the final authority to resolve issues
relating to rules of the contest and the tabulation of aggregate club scores. The Texas QSO
Party shall also be responsible for the issuance of all Texas QSO Party awards. =

Send logs and summary sheet via mail, disk or e-mail by June 5, 1997. =

TDXS
POB 540291
Houston, Texas 77254
Email: W5HNS@aol.com

Results will be posted on the internet contest reflector, sent with a SASE, or via email. =

TQP is supported by NA Contest Software from LTA @ (216) 565-9950 and TR Contest
Software @ (512) 416 - 7010. =

4/97

From owner-qrp-l@Lehigh.EDU Wed Apr 30 18:03:51 1997
From: Mike Czuhajewski <wa8mcq@u1.abs.net>
Subject: [18625] Toroid half turns (long)
Message-ID: <Pine.BSI.3.93.970430080504.22123B-100000@u1.abs.net>

A while back there was some discussion on QRP-L as to whether we should worry about half turns on toroids. I did the half-turn on a toroid trick a couple years back, with a hole drilled thru the body of the core. I wound a lot of turns on it, cemented them in place so they would not move (very important, since turns spacing will have a decided effect on inductance), and the last little bit of wire either made a full turn at the end or went into my hole, for a half turn (around half of the cross sectional area). I measured both ways with my Boonton 260A Q meter; I couldn't find my notes so I went back and did it again, and my conclusion was the same as before: don't bother with half turns or worry about them. It will not be worth the trouble or the

risk, and you can usually get an equal or greater change in inductance by spreading or compressing the turns. You can plug an inductance value into the standard formula for finding turns and the answer will usually include a fraction of a turn; just go with the nearest whole number and don't worry about the difference.

I took a T106-2 core and drilled a hole through it on one side, from the outer diameter to the inner diameter, in line with the radius (Actually, I cheated a bit and used a 3/32" diameter, 4 flute tungsten carbide end mill in a milling machine, but K3TKS has done this with a regular drill bit. Just take it easy.) In this way the final turn could go through the hole and loop around one half of the cross sectional area instead of going around the entire area.

I wound 17 turns of #18 enameled wire, being careful to make sure that the wires came off in such a way that the final turn was a full 360 degrees around the core. I measured the inductance at 7.9 MHz, which is one of the frequencies at which the inductance can be read directly from the dial of the Q meter, although I record the amount of capacitance that it resonates with (which is read out directly to 0.1 pF) and calculate the inductance from that for better precision. With the turns occupying about half the circumference of the core I measured 4.45 uH. I partially unwound the last turn and ran it out through the new hole instead of all the way around the core like the other turns. It was still covering a full 360 degrees, but now only about half the cross sectional area. The spacing of the turns was left intact. The new inductance, with 16 1/2 turns, was 4.30 uH, or a decrease of about 3.4%.

Next, with the half turn still in place, I spread and compressed the turns. From 4.30 uH, I compressed the coil (squeezed the turns closer together) and increased it to 4.85 uH, an increase of 12.8%. I spread out the turns to occupy almost the entire circumference of the core; I didn't make them perfectly uniform, and the turns were a bit closer to each other at one end than at the other. Even so, the inductance dropped to 3.70 uH, or 14% less than the initial 4.30 uH.

By reducing the coil by one half turn (making the final turn cover one half the cross sectional area instead of the entire cross section), the inductance dropped by about 3.4%. By compressing and expanding the turns it went from 12.8% over the new starting value to 14% under, or a total difference of almost 27%. That's a far greater difference than obtained by reducing the coil by one half turn, and without the trouble and risk of drilling a hole. If you need to get a precise value of inductance, vary the spacing and forget about fractional turns.

As always, your mileage may vary; these percentages will be different

for different sizes of cores, wire sizes and numbers of turns. Depending on how much of the core is covered, it may not be possible to expand or compress the turns as much, or perhaps they can be varied even more than on my coil.

I repeated the experiment with 16 turns of #22 on a T68-2 core but with a hole drilled between the flat sides, half way between the inner and outer diameters, instead of along a radius as I did on the T106-2. The turns covered about 200 degrees, just over half of the core.

With a full turn at the end I measured 1.667 uH, and using the hole to make it a half turn it dropped to 1.632 uH, a decrease of 2.1%. I restored the full turn and spread out the turns to leave a 30 degree gap between the ends, and it dropped from the original 1.667 down to 1.488 uH, a decrease of 10.7%. That's a much larger change than obtained from using a half turn, and without the bother and risk of drilling.

But there's still another way to do a half turn--instead of the final turn going a full 360 degrees around the core cross section, make it go only one half the way around, or 180 degrees. This is another of those experiments I did a few years ago and couldn't find the notes. I remember that I did it on three separate days, one showing a slight increase in inductance, one a slight decrease, and one with no change at all. I did this one again, and saw no discernible change in inductance.

I used the same T106-2 with the turns still spread out and the end restored to a full turn. I snipped off the lead on one end where it left the coil, scraped off the insulation on both sides of the final turn and tinned it. Instead of being part of the wire used for the winding, the lead to the final turn was now soldered onto the coil and could be placed on either side of the final turn, such that the active portion of that turn covered either 180 or 360 degrees of the cross sectional area. I measured the inductance both ways and found no difference.

At 7.9 MHz, it resonated at 108.6 pF. The fine tuning dial is calibrated for a range of +/- 3 pF, with marks every tenth of a pF. There was no change in capacitance between the two positions, not even a significant fraction of a tenth of a pF. In previous tests there was sometimes a difference of a full tenth; that worked out to less than 0.1% change in inductance, and may have been due to slight differences in relative positions of the coil, leads, terminals, etc. When you change something and see such a slight change in value that you can't tell if it's from the change or from slight differences in the test setup, that tells you the change isn't doing much of anything :-)

The bottom line from all these tests: just follow the oft-repeated convention that a turn is counted every time the wire passes through the center, and don't worry whether the end turns make full 360 degree wraps around the cross section.

A couple of parting tidbits--W7EL long ago showed that different sizes of wire don't make a tremendous difference in the Q of a coil (QST Technical Correspondence somewhere in the early or mid 80's), so don't worry if you have to use a size a couple of numbers different than called for, as long as it will still fit on the core. And I proved to myself that the size of the wire doesn't make any substantial difference in the inductance of a core (with some carefully controlled tests that I documented several years ago in print).

Don't forget, toroidal cores are not precision components by any stretch of the imagination, and, in addition to the turns spacing, the inductance also depends on the characteristics of the particular core being used. Toroids are not absolutely identical, and just like any other component they have a certain tolerance; just because type 2 (red) material is listed as a permeability of 10 doesn't mean that every one in your junk box has an actual permeability of 10.000. The Micrometals powdered iron cores catalog states that net inductance of coils will be plus/minus five percent (assuming identical winding). I satisfied myself that this was true several years ago, in some other experiments I detailed in both the QRP Quarterly (a two-parter in January and July 1993) and QSTs Technical Correspondence, June 1973, page 72. It involved winding coils on fifty eight T37-6 cores (all I could scrounge up)--talk about sore fingers!

73 and Queue Our Pea DE WA8MCQ wa8mcq@abs.net

From owner-qrp-l@Lehigh.EDU Wed Apr 30 18:03:51 1997
From: wb2vuo@juno.com (William K Hibbert)
Subject: [18666] Yaesu Parts Support
Message-ID: <19970430.142204.7791.1.wb2vuo@juno.com>

After the horror stories on parts support for older radios, here's a good report.

I just recently acquired a Yaesu FT-707 in a swap, and also a Yaesu FT-7 in another swap. In the process of spiffing up the '707, I gave the Mode switch shaft that "last little nudge..." to snug it up, and snapped the shaft bearing off right at the panel. The FT-7 had a dead S/PO meter, with an open winding, and wouldn't key on CW. It ended up that

the key jack on the FT-7 was open, an internal fault. A quick call to Yaesu, a check ion the computer in their Parts Department, and all three items were on hand, reasonably priced and shipped out today.

Both of these radio are 18 - 20 years old, I think. I had a used FT-707 back in 1982 and an FT-7 from 1978 to 1985. Truthfully, I did not expect to find the parts in stock, so it was a pleasent surprise to do so.

It is something to consider when buying your next used rig...

72/73, Keith, WB2VUO, QRP-L #582, scQRP 40, 100% QRP
Tech Specialist (ARRL/WNY), ARRL Life Member,
Trustee, KB2YTW/B 10 Mtr QRP Beacon (4 Watts @ 28.2870 MHz)
"In the Depths of the Great Bergen (NY) Swamp...FN13ac"
Packet - wb2vuo@w2im.#wny.ny.usa.noam *** Email - wb2vuo@juno.com
SnailMail - CBA *** Phone - 716.494.1239

From owner-qrp-l@Lehigh.EDU Wed Apr 30 18:03:51 1997
From: Jim Lowman <jmlowman@ix.netcom.com>
Subject: [18601] Re: 2000+ QRPP'S
Message-ID: <336694C0.1222@ix.netcom.com>

John Dorson wrote:
>
> i guess we'll have to hear from evertone that they got or didn't get their
> copy of qrpp.
>
> seem like such a waste of computer power..
>
> just one persons opinion...

How about this for a suggestion? Each month, when all the issues of QRPp hit the mail, perhaps Doug could post a message to the list. In that message he could state the date of mailing, with instructions on whom to contact if any of us don't receive our copy.

Now that QRPp is being mailed first class, it would seem reasonable to write after two weeks, to complain about an issue going to the black hole of USPS. This would get rid of most of the messages of this sort to the QRP-L list.

Sound reasonable?

72 de Jim - KF6CR

From owner-qrp-l@Lehigh.EDU Wed Apr 30 18:03:51 1997
From: duane <duane@flinet.com>
Subject: [18618] RE: 2000+ QRPP'S
Message-ID: <01BC5511.85355080@pm10-12.flinet.com>

Well maybe I should wait , but now that the subject is
Being discussed ....I have not received my copy either.
Waiting in florida I'll give it another week.

duane@flinet.com - mail address
http://www.flinet.com/~duane   My WWW Homepage
http://www.flinet.com/~duane/ham/ham.html My WWW Ham Radio Page
ab4be@amsat.org   second mail address
http://www.flinet.com/~duane/download/download.html My download page
QRP-L # 710

From owner-qrp-l@Lehigh.EDU Wed Apr 30 18:03:51 1997
From: "Jim Kortge, K8IQY" <jokortge@mci2000.com>
Subject: [18599] Re: 38S Works-Rcvr Question
Message-ID: <3.0.1.16.19970429194553.2867c06e@mail49.mci2000.com>

At 11:09 PM 4/27/97 -0400, Steve N5CLU wrote:
>Yup...worked first time. First QSO was W1HUE in Idaho and second was W0HMD
>in Missouri. Put it on a friend's tester and the signal is clean at 180
>milliwatts. No chirp, click or thump. Freq coverage 10.104 - 10.124.
>
>I do have a question on tuning the receiver. The lower sideband (the one
>lower in frequency than "zero beat") seems stronger than the upper. Is
>there anything wrong here? I DO only have one peak when tuning TC1...what
>will change when I take a turn off the coil?
>
>Great kit. Great hobby. Thanks and 72,
>
>Steve N5CLU
>
Hi Steve....the receiver should have one sideband louder than the
other if it is working correctly, due to the crystal filter. I
can't remember which one was louder on my stock 38S, but I think
it was the lower. If you remove a turn, (or maybe two) from TC1,
you will get two peaks, and the receiver will hear even better

than it does now. Worth doing!!

72, and nice to hear that your 38S is working well.

Jim

Jim Kortge, K8IQY (ex NU8N) | NorCal, QRP-L
jokortge@mci2000.com | __o   H.F. bicycle mobile
Fenton, MI |_`\<,   Mizuho 17/40 SSB
...   . (*)/(*) . .   .   .
NorCal 38S Log - 32 States; 27 Countries - Running 3 watts
Most recent -   W VA   Greece

From owner-qrp-l@Lehigh.EDU Wed Apr 30 18:03:51 1997
From: Jess Gypin <jgypin@bi.com>
Subject: [18667] Re: 38S Works-Rcvr Question
Message-ID: <33678F14.5129@bi.com>

Jim Kortge, K8IQY wrote:
>
> At 11:09 PM 4/27/97 -0400, Steve N5CLU wrote:
> >Yup...worked first time. First QSO was W1HUE in Idaho and second was W0HMD
> >in Missouri. Put it on a friend's tester and the signal is clean at 180
> >milliwatts. No chirp, click or thump. Freq coverage 10.104 - 10.124.
> >
> >I do have a question on tuning the receiver. The lower sideband (the one
> >lower in frequency than "zero beat") seems stronger than the upper. Is
> >there anything wrong here? I DO only have one peak when tuning TC1...what
> >will change when I take a turn off the coil?
> >
> >Great kit. Great hobby. Thanks and 72,
> >
> >Steve N5CLU
> >
> Hi Steve....the receiver should have one sideband louder than the
> other if it is working correctly, due to the crystal filter. I
> can't remember which one was louder on my stock 38S, but I think
> it was the lower. If you remove a turn, (or maybe two) from TC1,
> you will get two peaks, and the receiver will hear even better
> than it does now. Worth doing!!
>
> 72, and nice to hear that your 38S is working well.
>

> Jim
>
> Jim Kortge, K8IQY (ex NU8N) | NorCal, QRP-L
> jokortge@mci2000.com | __o   H.F. bicycle mobile
> Fenton, MI |_`\<,   Mizuho 17/40 SSB
> ...   . (*)/(*) . .   .   .
> NorCal 38S Log - 32 States; 27 Countries - Running 3 watts
> Most recent -   W VA   Greece
The lower side band is the one that you should be tuning to. On weak
signals, there will not be an upper signal, and on the stronger sigs,
the one that is lower than zero beat is the correct one to tunr to.

FYI

Jess N0TFI

From owner-qrp-l@Lehigh.EDU Wed Apr 30 18:03:51 1997
From: Brian Cieslak <brianc@ams-i.com>
Subject: [18645] RE:40M
Message-ID: <c=US%a=_%p=Adaptive_Micro_S%l=AMS-I_SERVER_1-970430160526Z-133@ams-i-server-1.ams-i.com>

By the way by next thursday meant May 8 not this coming thursday may
1st.

brian AE9K
@Nichols Observatory

From owner-qrp-l@Lehigh.EDU Wed Apr 30 18:03:51 1997
From: Jeff Grudin <grudin@pacific.vdbs.com>
Subject: [18600] Re: A new ham in our ranks.
Message-ID: <33664F57.7F15@pacific.vdbs.com>

Folks,

I want to thank everyone for the good wishes for Rachael KF6KLI. She is
really excited to be on the air. She will be on the air in the novice
portion of 40M when she can.

She is a little nervous about that first contact. I remember the
feeling. It was in my ham radio class. I got chosen to send out the

first CQ. Within seconds I had my first QSO with VK4OD in Buderim,
Australia. I was so nervous I couldn't copy anything. Good thing I had
my instructor standing behind me.

I hope to get her on this weekend.

--
73 de Jeff AC6KW
grudin@vdbs.com

QRP-L #16   Private Practice : Companion Animals and
Exotics
Norcal QRP #1292   Ocean Animal Clinic / Cat Clinic of Santa
Cruz
                                                    Santa Cruz,
California

          QRP'ers do it with less energy (but lot's of enthusiasm)!

From owner-qrp-l@Lehigh.EDU Wed Apr 30 18:03:51 1997
From: wb0aaq@juno.com (FREDERICK I VAN ARTSDALEN)
Subject: [18677] Re:An idea for a WWV Reciever
Message-ID: <19970430.140654.5487.2.WB0AAQ@juno.com>

I thought it was a WWV reciever also....I use reading glasses..Hi Hi
Now...can we use a T50-2 toroid in the place of the film case? If so, how

turns for 5 mhz and 10 mhz if we can.Also do we need to change a cap
for 10 mhz?

          Ike WB0AAQ

Lake Quivira,Kansas

From owner-qrp-l@Lehigh.EDU Wed Apr 30 18:03:51 1997
From: wb0aaq@juno.com (FREDERICK I VAN ARTSDALEN)
Subject: [18683] Re:An idea for a WWV Reciever
Message-ID: <19970430.151928.5487.1.WB0AAQ@juno.com>

From: wb0aaq@juno.com (FREDERICK I VAN ARTSDALEN)
Received: from m7.boston.juno.com (m7.boston.juno.com [205.231.100.196])
 by x5.boston.juno.com (8.6.13/8.7.Alpha.4/1.34.kim) with ESMTP id

QAA22552;
 Wed, 30 Apr 1997 16:24:43 -0400
Received: from fidoii.CC.Lehigh.EDU (fidoii.CC.Lehigh.EDU [128.180.1.4])
 by m7.boston.juno.com (8.6.13/8.7.Alpha.4/1.34.kim) with ESMTP id
QAA03209;
 Wed, 30 Apr 1997 16:24:32 -0400
Received: from Lehigh.EDU ([127.0.0.1]) by fidoii.cc.Lehigh.EDU with SMTP
id <35046-27068>; Wed, 30 Apr 1997 16:23:21 -0400

Sorry guys..left the word "many" out of last message.

I thought it was a WWV reciever also....I use reading glasses..Hi Hi
Now...can we use a T50-2 toroid in the place of the film case? If so, how

many turns for 5 mhz and 10 mhz if we can.Also do we need to change a
cap
for 10 mhz?

          Ike WB0AAQ

Lake Quivira,Kansas

From owner-qrp-l@Lehigh.EDU Wed Apr 30 18:03:51 1997
From: aa1rb@juno.com (James Cadorette)
Subject: [18609] Re: Atomic Keyer with your TS-530
Message-ID: <19970428.002858.5295.3.AA1RB@juno.com>

Hey gang has anyone tried modifying the Atomic keyer kit output
transistor to work reliably with rigs such as the Kenwood TS-530S etc?
These rigs use grid block keying I guess.

--------- Begin forwarded message ----------
From: wb8ygg@juno.com (Bradley S. Mitchell)
Subject: Atomic Keyer with your TS-530
From owner-qrp-l@Lehigh.EDU Wed Apr 30 18:03:51 1997
From: "Lee Richey, Seneca" <lee@radioadv.com>
Subject: [18671] Re: Atomic Keyer with your TS-530
Message-ID: <199704301854.OAA82071@nss2.CC.Lehigh.EDU>

The TS-530S keying voltage is negative. A conventional
2N2222 open collector keying transistor circuit is for

positive keying.

Check out the Radio Adventures BK-170 grid block keying
adapter at   http://www.radioadv.com/prod06.htm

This unit was designed specifically for keying the older
tube and hybrid rigs with our newer positive only keyers.

-Lee-
lee@radioadv.com

> From: James Cadorette <aa1rb@juno.com>
> To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
> Subject: Re: Atomic Keyer with your TS-530
> Date: Tuesday, April 29, 1997 10:59 PM
>
> Hey gang has anyone tried modifying the Atomic keyer kit output
> transistor to work reliably with rigs such as the Kenwood TS-530S etc?
> These rigs use grid block keying I guess.
>

From owner-qrp-l@Lehigh.EDU Wed Apr 30 18:03:51 1997
From: Cecil A Moore <Cecil_A_Moore@ccm.ch.intel.com>
Subject: [18642] Re: Coax as a balanced feeder???

>From: Jim <LAGESON@worldnet.att.net>
>I read (somewhere) that you can use coax as a balanced feedline by
>running two lines and connecting the outer braid and using the center
>conductors as the feedline. I have some odd RG/62A/U coax, 93 ohm (i
>think) coax that was given to me and want to run a hidden balanced
>feedline. What will the impedance be?

Hi Jim, when you run two coax cables side-by-side (physically
parallel but not electrically parallel) the two runs are in
series with the load and therefore the characteristic impedance
is doubled so your RG62 side-by-side runs would have a Z0 of
186 ohms. 50 ohm coax would have a Z0 of 100 ohms, etc. Since
the Z0 is doubled the matched line loss (and the loss due to
SWR) is the same as a single run of coax of the same length with
the same SWR.

Lest I confuse anyone - 100 ft of a single run of 50 ohm coax
driving a load of 100 ohms with an SWR of 2:1 will have the

same loss as a 100 ft side-by-side double run of the same coax
driving a balanced load of 50 ohms with the same 2:1 SWR.

The braids should be soldered together at both ends and tied to
system ground at the transmitter end.

73, Cecil, W6RCA, OOTC

From owner-qrp-l@Lehigh.EDU Wed Apr 30 18:03:51 1997
From: "J. Skalski" <jskalski@acsu.buffalo.edu>
Subject: [18684] Re: DAYTON QRP vendor list update.(versions 1.1)
Message-ID: <Pine.GSO.3.95.970430173307.15802B-100000@autarch.acsu.buffalo.edu>

If you are planning to come to DAYTON and will be having a display or flea
market space....let us know!

Here is how:

>
> I will be taking a list of the qrp vendors and hams who will have flea
> market spaces at Dayton. I will compile a list and post it here the week
> before Dayton. This list may be of use to hams that won't attend...they
> can use it as a shopping list.
>
> I will be using the categories listed in the ARRL handbook under Component
> data /ARRL Parts supplier list.(with slight modifications)
>
> A- General Suppliers
> B-Inductor Cores
> C-Circuit Board etching supplies
> D-RF Power transistors
> E-Microwave components
> F-Antenna Hardware
> G-Dials and Knobs
> H-Variable capacitors
> I-Transformers
> J-IF filters
> K-Project Cases
> L-Project Kits
> M-Surplus Parts
> N-Vacuum Tubes
> O-Mechanical Teletype Supplies
> P-Integrated Circuits
> Q-Equipment Manuals

> R-Test Equipment
> S-RIGS-NEW
> T-Etched Circuit Boards
> U-Wire
> V-Crystals
> W-KEYS
> X-ANTENNAS-NEW
> Y-RIGS ETC-USED
> Z-OTHER -HAM RELATED
>
>
> Please use only the above codes, no extra verbiage in the following
> format.address to me titled "AD DAYTON" using the format below.
> (do not send this message back to me :-)
>
> BUSINESS NAME/or NAME and CALLSIGN (one please)
> SPACE(S) #/LOCATION
> ITEM(S) CODES (letter code only)
> EMAIL address (one please)
>
>
>
>
>
>   73,
>
>   Jim N2GO
>   The Buffalo QRP CONNECTION
>   ARCI #9013 QRP-L #381
>   Life member ARRL
>   jskalski@acsu.Buffalo.EDU
>
>
>
>
>

From owner-qrp-l@Lehigh.EDU Wed Apr 30 18:03:51 1997
From: Kory Hamzeh <kory@avatar.com>
Subject: [18652] Re: FDIM and PCB Layout
Message-ID: <Pine.BSI.3.91.970430095204.965A-100000@avatar.avatar.com>

I won't be at Dayton (maybe next year), but I've stared uing WinDraft and

WinBoard from Protel and I am very very happy with it. Protel is a relatively new company founded by ex-OrCad people.

You can download a trial version of WinDraft and WinBoard from www.protel.com. This is a full featured Schem capture (WinDraft) and PCB layout (WinBoard). The only limitation in the trial version is that you are limited to 100 pins/connections.

Now, here's the good part, and there are several options:

1. You can buy a special 200 pin version from any NTE distributor for $29.99 each! The manual is not printed, but online.

2. You can buy 100 pin alotments straight from Protel for $50.00.

3. You can buy a combined WinDraft+WinBoard 650 pin package from JDR for $350.00. This comes with a printed manual.

4. You can buy a 650 pin version directly from Protel for $250.00 each.

5. Finally, you can buy an unlimited pin version from Protel for $495 each.

It's very flexible. All you need to do is to get a new password which enables the extra number of pins.

I hopy this information was useful.

Kory
AC6RN

On Wed, 30 Apr 1997, Brad Mitchell wrote:

> Is this part of FDIM happening?
>
> I haven't paid too much attention, but am wondering.
> I would like to look at other packages to use out there,
> and am wondering if anybody will be demoing.
> It sometimes takes a demonstration to understand how to uses
> these tools.
>
> I downloaded PADS off the network, and stared at it
> for several days till someone showed me how to use it.
> It works quite well, once you know how.
>
> 73 Brad WB8YGG
>

>

From owner-qrp-l@Lehigh.EDU Wed Apr 30 18:03:51 1997
From: Kory Hamzeh <kory@avatar.com>
Subject: [18668] Re: FDIM and PCB Layout
Message-ID: <Pine.BSI.3.91.970430113504.1614A-100000@avatar.avatar.com>

I'm sorry, it is IVEX not Protel! The Ivex www site is www.ivex.com. I'm apologize for any confusion I might have caused. The Protel demo is not good since it won't let you save your work!

Kory

On Wed, 30 Apr 1997, Brad Mitchell wrote:

> Is this the same as the IVEX winboard/windraft?
>
> 73 Brad WB8YGG
>

From owner-qrp-l@Lehigh.EDU Wed Apr 30 18:03:51 1997
From: mdwatt@usit.net (Marty Watt)
Subject: [18669] Re: Keyer vs Bug
Message-ID: <33688047.52996499@smtp.usit.net>

On Tue, 29 Apr 1997 21:09:16 +0100 (BST), John Fletcher <johnf@innotts.co.uk> wrote:

>Hi All!
>
>The guru who taught me to read and send Morse code back in 1974
>(Harry, G8QZ, a wartime signaller and member of the First Class
>Operator's Club) told me that if I used a fully automatic keyer
>it would ruin my fist, so I never used one.

While listening for K8IDN last night on 40, I heard some interesting stuff ...

There was the guy with the dit side of his bug set for 60 WPM who thinks an "H" has 18 dits ...

There was the guy using the straight key attempting 18 WPM

whoendeduprunningeverywordtogetherandhisditsanddahswereaboutthesamelength=
.

A clean fist, IMHO, is the one that's indistinguishable from the
electronic keyer. The "swing" or personality of the fist should,
again IMHO, come from the fist, not the weighting of the dits/dahs.

Better yet, personality comes from what's being communicated -- the
words involved! I had a CW contact years ago from a guy in rural
Virginia that literally had me laughing so hard I couldn't send. I
think he was in or around Norton, Virginia, or Bluefield, W. Va. --
perhaps N4ROA recalls the QSO, he was there.

He's the only guy I've ever heard who sent with an accent, and a
Southern accent at that -- but the code was perfect, machine like.
He was using a straight key, if I recall correctly.

If you're code is unintelligable, you won't make many QSO's -- at
least not with me, for I can't answer the calls.

daaaaaaaaaaaaaaaahdaaaaaaaaaaaaaaaah dididitdididit
daaaaaaaaaaaaaaaahdaaaaaaaaaaaaaaaah

72 es 73 de=20
Marty, KM7W
____
Jackson, Tennessee   e-mail: mdwatt@usit.net
                                  http://www.public.usit.net/mdwatt
                                          "The Curmudgeon's Corner"
NorCal #2031 - ARCI #7514 - QRP-L #953 - AK/QRP #098 - Grid EM55oq
~~~~~~

From owner-qrp-l@Lehigh.EDU Wed Apr 30 18:03:51 1997
From: "Dave Maliniak" <dmaliniak@penton.com>
Subject: [18674] Re: Keyer vs Bug
Message-ID: <85256489.00691241.00@mail.penton.com>

Marty:

The guy who tried sending at 18 wpm butendeduprunningeverythingtogether
etc...
~~~~~~

Yeah, I've worked him (or tried to) as well. Lots of times. It's sad how many really bad fists there are out there, be they using paddles, straight keys, bugs, or two wires.

I'm no CW ace myself. I'm only four years old as a ham. When I've been on the air a lot, I can copy good, clean CW at speeds up to maybe 24 wpm reasonably well.

But every once in a while, I run across a guy sending maybe 12 to 15 wpm. Even less. But I *can't copy him.* Why? Because of all the humorous, yet sad, examples you gave. Those contacts are frustrating as hell. I start wondering if it's me that's at fault. I think, "Geez, he's sending so slow but I can't make any sense of it. What's wrong with me tonight?" Well, I should lighten up on myself, huh?

Guys really should practice -- a LOT -- with a code oscillator before they inflict themselves on others. Someone once suggested to me that it's a really good idea to tape-record yourself sending random words with an oscillator and then try to copy yourself a couple of days later. If you have trouble, there's obviously a problem with your sending. Keep repeating the exercise until you CAN copy yourself...then you're cleared for flight, so to speak.

72 David N2SMH
Glen Rock, NJ

From owner-qrp-l@Lehigh.EDU Wed Apr 30 18:03:51 1997
From: "Michael Connor" <mikec@primenet.com>
Subject: [18676] Re: Keyer vs Bug
Message-ID: <199704302016.NAA16789@usr10.primenet.com>

Marty wrote:

>There was the guy using the straight key attempting 18 WPM
>whoendeduprunningeverywordtogetherandhisditsanddahswereaboutthesamelength.

>A clean fist, IMHO, is the one that's indistinguishable from the
>electronic keyer. The "swing" or personality of the fist should,
>again IMHO, come from the fist, not the weighting of the dits/dahs.

>Better yet, personality comes from what's being communicated -- the
>words involved! I had a CW contact years ago from a guy in rural

>Virginia that literally had me laughing so hard I couldn't send. I
>think he was in or around Norton, Virginia, or Bluefield, W. Va. --
>perhaps N4ROA recalls the QSO, he was there.

 I was listening to 40 last night while fooling with the new OHR100 and heard a guy calling CQ. Actually, it sounded much more like he was sending "C E K". It sounded like a direct attempt at personal flair. He got not takers. A coupla KC's up the band N7ILM was calling CQ with a slow steady straight key and was answered on his first call. I should know; twas me that answered him.:-)

FWIW,
Mike
NQ7K

From owner-qrp-l@Lehigh.EDU Wed Apr 30 18:03:51 1997
Subject: Latest 10 Meter beacon list

Last update Feb.1997

FERQ. CALL QTH PWR/ANT REMARKS DATE
==========
28.010...EA3FHN...BARCELONA,
Spain.....9604
28.125...KA5FYI...AUSTIN, TEXAS (EM10DI).....1W, SLOPING
DPL....C%..9603
28.175...VE1VLF...OTTAWA, CANADA (FN25).....10W,
GP.....C...9607
28.180...VE3IRE...CANADA.....9607
28.180...OD5TEN...TRIPOLI, LEBANON
(KM74WK).....I...9301
28.180...IK1BAK...BORDIGHERA, ITALY (JN33UT)...5/20W,
V.....C%..9505
28.183...SV3AQR...AMALIAS, GREECE (KM07QS).....4W,
GP.....9610
28.191...VE6YF....EDMONTON, ALBERTA.....10W,
GP.....C...9508
28.195...IY4M.....BOLOGNA, ITALY (JN54QK)......20W,
GP.....C%..9612
28.195...W2RTB....ROCHESTER, NY
(FN13ED).....9505
28.195...LU6DTS...LA PLATA, ARGENTINA (GF15AC).5W,

GP.................9610
28.197...VE7MTY...PITT MEADOWS, BC, CANADA.....5W,
GP.............C...9610
28.197...LU9AUY...ARGENTINA.....10W.....9610
28.198...LU5FSY...RAFEAL, ARGENTINA
(FF98GS)...5W.....9701
28.199...KG5YB....JACKSONVILLE,
TX.............8W,SLOPER.....C%..9412
28.200...KB9FOF...CHAMPAIGN,
IL.............1W.....9611
28.200...W6WX.....STANFORD, CA (CM87).....100,10,1, .1W,
B.......9411
28.200...OH2B.....HELSINKI,
FINLAND.....9608
28.200...YV5B.....CARACAS, VENEZUELA
(FK60NL).....9605
28.200...CS3B.....Madeira.....0.1-100W
.....9609
28.200...KH6WO....HONOLULU,HI
(BL11CH).....9609
28.200...ZS6DN....DARWIN (KF44).....0.1-100W,
V.....9702
28.200...LU4AA....BUENSO AIRES (GF05).....0.1,
V.....9701
28.200...4U1UN....United Nations, NY, NY.....0.1-100W,
V.....9702
28.200...5Z4B.....near MOMBASA.....0.1-100W,
V.....9611
28.200...VE8AT....EDMONTON, ABT, CANADA.....0.1-100W,
V.....9611
28.202...ZS1J.....PLETTENBERG BAY, RSA(KF15PF).5W, 3EL Y.....9701
28.202...KE5GY....ARLINGTON, TX (KA50IC).....5W, V.....%..9011
28.203...ZS5VHF...DURBAN, RSA.....10W,
GP.....9607
28.203...KD6UVN...LAGUNA BEACH,CA
(DM13CN).....9607
28.204...W3AW.....NORTH CANTON,OH.....1W,
LP.....9612
28.204...WA4SZE...McCAYSVILLE, GA.....100W,
V.....C%..9602
28.204...DL0IGI...GERMANY (JN67KQ).....100W,
VDPL.....C...9701
28.204...DL0TZ....GERMANY.....9612
28.205...ND9X.....FOREST VIEW, IL
(EN61CT).....9601
28.206...KJ4X.....PICKENS, S.C. (EM84PW).....2W,
V.....9607
28.207...W8FKL....VENICE, FL

(EL87TB).....10W,V.....C...9508
28.209...NX2O.....ANNAPOLIS, MD 10W,
GP.....C...9607
28.210...KC4DPC...WILMINGTON, NC (FM14BF).....3W,
DPL.....C%..9702
28.210...N7SCQ....PORTOLA, CA (CM99ST).....5W, Antron
99.....C...9611
28.211...LA4TEN...TELAVAAG, NORWAY.(JP20LG)....250W ERP,
Omni.....9701
28.212...LU1UG....GRAL PICO, ARGENTINA.....5W, GP
.....9508
28.212.5.EA6RCM...PALMA DE MALLORCA, SPAIN.....3W,
GP.....9301
28.213.5.PT7BCN...FORTAILEZA, BRAZIL (HI06RF)..5W,
GP.....I...9301
28.214.5.KB4SB....SUGARLOAF KEY, FL (EL94FP)...1/2W,
DPL.....C%..9603
28.215...KA9SZX...CHAMPAIGN, IL (EN50VD).....1W,
V.....C%..9611
28.215...GB3RAL...DIDCOT, BERKSHIRE,UK(IO91IN).20W,
GP.....C...9608
28.215...N3BUB....KRESGEVILLE, PA
(FN20FV).....9406
28.217...WB9VMY...CALUMET, OK (EM05) 2W,
V.....C...9312
28.218...VE2TWO...RADDISON, CANADA
(FO13).....9301
28.218...W8MI.....STRAITS OF MACKINAC, MI(EN75)500 MW,
V.....C%..9701
28.219...N2BJG....SUFFERN, NY
(FN21WC).....9512
28.219...PT8AA....RIO BRANCO, BRAZIL (FI60CA) 5W,
GP.....I...9508
28.220...5B4CY....ZYYI, CYPRUS (KM64PR).....26W,
V.....C...9610
28.220...KB9DJA...MOORESVILLE, IN (EM69RO).....30/5W,
GP.....9611
28.220...LU4XS....T. DEL FUEGO, ARGEN.
(FD65CA)2W,GP.....I...9701
28.221...KK4UC....DAWSON SPRINGS,KY
(EM67DE)...10W.....9106
28.221.5.K5PF.....APEX, NC (FM05NR).....8W,A-99
V.....C%..9702
28.222...W9UXO....LAKE BLUFF, IL (EN62BG).....10W,
GP.....C...9508
28.222...PT2IBM...BRAZIL.....5W,
GP.....9009
28.222...HG5GEW...TAPOLCA, HUNGARY (JN86NQ)....10W,

GP.....C...9609
28.224...WB6CHQ...FRESNO, CA (DM06BU).....25W,
DPL.....9109
28.225...PY2AMI...SAO PAULO, BRAZIL.....10W,
GP.....C...9508
28.225...KW7Y.....EVERETT, WA.....4W,
.V.....9508
28.230...ZL2MHF...MT. CLIMIE, N.Z.(RE78BU).....1W, V
DPL.....9701
28.230...N2ECB....SPRINGFIELD, NJ (FN20TQ).....25W,
Y.....I%..9005
28.231...KQ4TG....LELAND, NC (FM04WG).....7W,
GP.....C%..9702
28.232...W7JPI....SONOITA, AZ (DM41QP).....4W, 3EL
Y.....C...9410
28.233...KD4EC....JUPITER, FL (EL96WV).....5W,
V.....C...9611
28.233...N2VMF....FREE HOLD, NJ
.....9608
28.234...N6TWX....LAWRENCEVILLE,GA.(EM73).....20W Double
Zepp....I...9606
28.235...EA2ZRA...ZARAGOZA,
SPAIN.....I...9301
38.235...VE1CBZ...FREDERICTON, NB, CANADA.....3W,
V.....9701
28.237...NV6A.....SAN DIEGO, CA (DM12KT).....5W,
V.....C...9508
28.238...LA5TEN...OSLO, NORWAY (JO59JV).....10W,
GP.....C...9701
28.239...YO2X.....TIMISOARA, ROMANIA (KN05OS)..2W,
DPL.....9301
28.240...K8UZW....PARMA, OH(Parma Radio Club)..16W,
GP.....C%..9508
28.240...VA3SBB...THUNDER BAY,
ONTARIO(EN58).....9607
28.240...AB8Z.....PARMA, OH
(EN91DJ).....9701
28.244...KF9N.....GRAY, TN (EM86RJ).....5W,
V.....I%..9603
28.244...WA6APQ...LONG BEACH, CA (DM03VU).....30W, A-99
V.....9607
28.245...VE9BEA...CRABBE MTN., NB. CAN. (FN66).3 W, V
.....9608
28.245.5.K0VXU....STILWELL, KS (EM28QT).....10/100W, 4 EL
YAGI.I...9508
28.246...N8KHE....MACKINAW CITY, MI (EN75SN)...500 MW,
V.....C...9508
28.247.5.EA2HB....SAN SEBASTIAN, SPAIN.....6W,

GP.................9301
28.250...N4MW.....NEW KENT, VA (FM17).........4W,
DLP............C%..9603
28.250...EA3JA....BARCELONA, SPAIN
(JN11BI).....................I...9701
28.250...WJ9Z.....ST. FRANCIS, WI (EN62BX).....15W, A-99
V........C%..9701
28.250...PI7BQC...HAARLEM, NETHERLANDS
(JO22HK)2W.....................9301
28.250...S55ZRS...MT. KUM, SLOVENIA (JN76MC)...1W,
GP.................9611
28.250...K0HTF....DES MOINES, IA (EN31EN)......2.5W,
GP...........C%..9301
28.250...Z21ANB...BULAWAYO, ZIMBABWE (KG47)....8W,
GP.............C...9612
28.250...NT9S.....GREENECASTLE, IN
(EM69NP).........................9101
28.252...EA3AAA...SPAIN.....................................9606
28.252...WJ7X.....PRIOR LAKE, MN (EN34HQ)......5W,
V..............C...9301
28.253...OH2TEN...VIHTI, FINLAND (KP20AG)......60W,
GP.................9608
28.254...WA4SLT...HASTINGS,FL (EL99GQ).........10-20W,V 12-14
Hrs.I%..9611
28.256...KD4BFF...MORRISVILLE, NC
(FM05OU).........................9608
28.257...KM4Y.....HOLLYWOOD, FL (EL96UA).....................I...9301
28.257...DK0TEN...KONSTANZ, GERMANY (JN57NP)...40W,
GP............C...9611
28.259...VK5WI....ADELAIDE, AUSTRALIA (PF95GD).10W,
GP............C...9508
28.260...KA1NSV...CAPE COD,MA (FN41UP).........25/80W,
RINGO(GP)..C%..9701
28.260...PY3PAG...BRAZIL.....................................9612
28.262...VK2RSY...SYDNEY, AUSTRALIA (QF56MH)...25W,
GP............C...9508
28.265...LU1FHH...EL TREBOL, ARGENTINA
(FF98).....................C...9702
28.265...VK6RWA...PERTHA, AUSTRALIA (OF78WB)...20W,
V.............C...9301
28.267...LZ1TEB...BULGARIA (KN12PO).............1W/100MW/10MW/1MW,V....9607
28.267.5.KB4UPI...BIRMINGHAM, AL (EM63NM)......20W,1/4V,Maybe
QRT.C...9301
28.268...OH9TEN...PIRTTIKOSKI, FINLAND(KP36OI).20W,
GP............C...9701
28.269...VK8VF....DARWIN, AUSTRALIA(PH57KP)....40W,
V.............C...9301
28.269...WB4JHS...KISSIMMEE, FL (EW96GF).......5W,

V.............I...9301
28.270...VK4RTL...TOWNSVILLE,
AUSTRALIA.............................9301
28.270...KF4MS....SAINT PETERSBURG, FL(EM87PS).5W,
GP.............C...9607
28.271...KD4UAI...SMITHFIELD, NC (FM05TL)......5W,
V.............%...9601
28.272...KN5H.....Las Cruces, NM (DM62).....5W,
V.............%...9611
28.272...WA9TPZ...GREENFIELD, IN (EM79CS)......100MW,
DPL.............9505
28.273...N5DUH....SHREVEPORT,
LA(EM32DK).............................9304
28.275...ZS1LA....STILLBAY, RSA(KF05QK).....20W,
Y.............C...9611
28.275...DA2JH....LUEDENSCHEID,
GER.(JO31TF)...20W.............I...9301
28.275...AL7GQ....DENVER, CO.................1W,
LOOP...........C%..9110
28.276...N0JAR....NEWTON, IA
(EN31LP).........15W.............C...9508
28.276...NS8V.....GRAND RAPIDS, MI
(EN73EW)....5W,V.............C...9301
28.278...DF0AAB...KIEL, GERMANY (JO54GH).....10W,
GP...........C...9609
28.279...W2RTB....VICTOR, NY
(FN12IX).........2W.....................9607
28.280...K5MW.....AUSTIN,TEXAS
(EM10DH).....20W,GP.............C%..9607
28.280...I1M......ITALY
(JN33UT).....................................9608
28.280...NO6J.....THOUSAND OAKS, CA (DM04NF)...5W,
OMN...........%...9301
28.2805..KD4NOQ...MEMPHIS, TN
(EM55BE).............................9508
28.282...VE2HOT...BEACONSFIELD, CANADA.....5W,
Y.............C%..9508
28.282...OK0EG....HRADEC, KRALOVE (JO70WE).....10W,
DPL...........C...9701
28.282...LU2HDX...CORDOBA, ARGENTINA (FF78RO)..10W,
V.............I...9301
28.2828..W0ERE....HIGHLANDVILLE, MO (EM36IW)...5W,
V.............I%..9609
28.284...K8LKC....THREE RIVERS, MI (EN71EX)....1W,1/4 WAVE
WHIP,V.C...9701
28.284...VP8ADE...ADELAIDE, IS
(FC52WK).....8W.............I...9701
28.284...KD7K.....WEST JORDON, UT

(DN40AP).....5W.....9607
28.284...KJ7AZ....RAWLINS, WY (DN61JS).....5W,
AR-10.....C%..9608
28.284...N2JNT....TROY, NY (FM32DR).....1W,
GP.....C%..9608
28.285...KB7EFZ...PORTLAND, OR (CN85PN).....1W,
GP.....9301
28.285...KK4M.....LAS VEGAS, NV DM26LC).....5W,
V.....9508
28.285...KB7DQJ...PORT ORCHARD, WA
(CN87).....C...9309
28.286...N5AQM....CHANDLER, AZ.(DM43AH).....2W,
V.....9508
28.287...KB2YTW...BERGEN, NY (FN13AC).....250MW,
V.....C%..9612
28.289...WJ5O.....CORPUS CHRISTI, TX (EL17KR)..2W,
Y.....9606
28.290...SK5TEN...STRAEGNAES, SWEDEN (JO89KK)..5W,
GP.....C...9610
28.290.5.KE4YVL...SOPHIA, NC (FN11UB).....3W,
V.....C%..9612
28.290...NQ3G.....BERWICK,
PA.....9607
28.291...KB9NV....COLLINSVILLE, IL (EM58AQ)....5W,
V.....C...9607
28.291.5.ZD8HF....ASCENSION
ISLAND.....9508
28.292...W3RGQ....BERWICK, PA (FN11UB).....5W,
V.....I...9301
28.292...K7SK.....DES MOINES, WA
(CN87UJ).....9611
28.293...PY2KC.....5W,
GP.....9701
28.293...LU2FFV...SAN JORGE, ARGENTINA.....5W,
GP.....I...9508
28.294...WC8E.....DEER PARK, OH (EM79SD).....10W,
V.....C...9508
28.294...SK2TEN...KRISTENBURG, SWEDEN (JP95HB).5W,
V.....9612
28.295...KM4GS....GILBERTSVILLE, KY
(EM57UA).....9103
28.295...KE0UL....GREELEY, CO (DN70).....5W,
V-OMNI.....C...9508
28.295...N7OGN....BILLINGS, MT
(DN55RS).....9103
28.295...W3VD.....LAUREL, MD (FM19NE).....10W, V.....C...9608
28.297...WA4DJS...FT. LAUDERDALE, FL (EL96VC)..30W,
GP.....9508

28.299...NU9J.....CLARKSVILLE,
TN.....9607
28.299...N8CGY....WEST BRANCH, MI.....5W,
DPL.....9002
28.299...VE9MS....FREDEREICTON, NB,CA(FN65)....5W,
LOOP.....C%..9701
28.301...PI7ETE...AMERSFOORT,
NETHERLANDS(JO22QD)1/2W,V.....9606
28.235...DF0THD...GERMANY.....9110
28.470...EA1BCN...SPAIN
(JO55VO).....9607
28.888...W6IRT....NORTH HOLLYWOOD, CA (DM04TF).5W,
GP.....C%..9007
28.992...DF0ANN ..GERMANY.....NOW QRO TO .3
WATTS....9101
==========
REMARKS: DATE IS THE DATE I LAST RECEIVED A REPORT ON A BEACON
RECEPTION.
          EXAMPLE 9002 = YEAR WOULD BE 1990, 2ND MONTH.
% ...REPORT FROM SYSOPS
* ...BEING USED TO CHECK ANTENNA PERFORMANCE FOR A NEW 10 METER REPEATER.
C ...CONTINUOUS
I ...INTERMITTENT

ANTENNA:
DPL ..DIPOLE   DTL ..DELTA LOOP   LP ..LOOP
INV ..INVERTED VEE OMN ..OMNI-DIRECTIONAL GP ..GROUND PLANE
D ....DEGREES   V ....VERTICAL   VB ..V-BEAM
Y ....YAGI   B ....BEAM   GMV.GROUND MOUNTED VERTICAL

SEND CORRECTIONS TO:
Stanley Outlaw; Internet: so@bigfoot.com

STANLEY OUTLAW / KC4DPC
PO BOX 5391
WILMINGTON, NC 28403

CORRECTIONS SHOULD INCLUDE DATE RECEIVED, FREQ., AND OLD FREQ.
IF YOU KNOW. THIS WILL HELP ON LOGGING WITHOUT DUPLICATES.
==========
                        HOME GROWN HEALTH
          Web Site: http://localsonly.wilmington.net/~stanley
Talk to ya later,
                           Stanley
==========
        Email me at: so@bigfoot.com
        HGH Web Site: http://localsonly.wilmington.net/~stanley/
==========

From owner-qrp-l@Lehigh.EDU Wed Apr 30 18:03:51 1997
From: Ed Tanton <n4xy@bellsouth.net>
Subject: [18681] Re: Mercury Paddles vs Schurr Paddles
Message-ID: <3.0.1.32.19970430172616.00a178a0@mail.atl.bellsouth.net>

Hi Jerry... I own several Schurr models (for camping, backpacking, etc.)
and a Mercury. The Schurrs are fine keys. They are not as good as the Jones
paddles (Palomar) and nothing I have ever tried is a Mercury. Period.
72/73

____
Ed Tanton   N4XY   EMAIL: n4xy@bellsouth.net
189 Pioneer Trail
Marietta, GA 30068-3466   TEL: (770)579-3933 V/MBX/FAX
____
QRP-ARCI #7663   G-QRP #6779   OK-QRP #172   QRP-L #758
AdvRC #140   NORCAL #1779   NCDXF   SEDXC

Life Member: ARRL   AMSAT   INDEXA   QCWA
____

INTERESTS: DX   QRP   BoatAnchors Test Equipment Photography
     CW: 99.9%   QRP: 95-100% (Mood swings!)
~~~~~~
"Think you can, think you can't: either way you're right!"   Henry Ford
~~~~~~

From owner-qrp-l@Lehigh.EDU Wed Apr 30 18:03:51 1997
From: ptaber@microtest.com
Subject: [18639] Re:NJQRP QTTF 97 (VERY LONG)
Message-ID: <9704308624.AA862415305@microtest.com>

>wire down by the lake next to the pavilion for an SSB endeavor. Sad to say
>that he and Bill, W2DP heard lots of stations and some dx, but few of them
>were operating in QRP to the Field.
[...]
> Clark, WA2UNN used part of the pavilion to operate his own SSB station. His
>Argo 509 and tree-supported dipole also managed to hear plenty of dx but
>netted only a single QTTF QSO.

I'm confused. Are you just mentioning that you didn't hear a lot of other QRPTTF
folks, or are you saying you didn't count the contact if it wasn't QRPTTF? Maybe
my contester is showing, but to me anyone who can be coerced out of a signal

report and QTH goes into the log, even if I have to listen to them go on about
their rig, towers and appendectomy scar.
;-)

>>>==>PStJTT

From owner-qrp-l@Lehigh.EDU Wed Apr 30 18:03:51 1997
From: JEVERHART@cayman.vf.mmc.com
Subject: [18646] Re:NJQRP QTTF 97 (VERY LONG)
Message-ID: <970430120710.206798f8@cayman.vf.mmc.com>

Pat, you wrote:

>I'm confused. Are you just mentioning that you didn't hear a lot of other
>QRPTTF folks, or are you saying you didn't count the contact if it wasn't
>QRPTTF? Maybe my contester is showing, but to me anyone who can be coerced out
>of a signal report and QTH goes into the log, even if I have to listen to them
>go on abouttheir rig, towers and appendectomy scar.
>;-)

Believe me we would have accepted a QSO with anybody (even the geese if they
were licensed!) But it was difficult gettig *anybody* to me back to us. At
least one of the SSB QSO's was a dx station who was glad to work a weak US nut
in some sort of contest that he didn't even know of.

72/73,

Joe E., N2CX

From owner-qrp-l@Lehigh.EDU Wed Apr 30 18:03:51 1997
From: Bill Morris Denton <bdenton@tenet.edu>
Subject: [18633] Re: NR3E/5 in TX QSO Party
Message-ID: <Pine.OSF.3.91.970430084209.19428C-100000@beall.tenet.edu>

Dave and Gang,
Looking for you on the Texas QSO Party this weekend. Our club has
several stations operating and some mobiles. We won it last year as a
club entry (NARS)and was 1st in the multi-single catagory for past two years
from my shack under my old call WA5DWX. My new call is W5SB. Plan to
make it 3 years in a row.

I will be running my trusty FT-990, SB1000, my two big 8 element wire

beam antennas on 20 and a 250' dipole at 70' on 40 on SSB. I use NA for logging. Look for K1OJ/m running mostly cw, KC5NVY SSB and K5GQ/m cw. They will be in some interesting countys.

73, Bill W5SB
Houston, Texas

On Tue, 29 Apr 1997, David Kreinberg wrote:

>
>   Gang:
>
>   I'll be hammering away in the Texas QSO party this
>   weekend.
>
>   I've found (for me)that S&P works best in these
>   things. However, for my QRP brethren and sisteren(!)
>   I'll try to hang out around the standard QRP freqs.
>   most often. I'll be operating 40-10m.
>
>   Also, if condx are good, I'll try some QRP SSB (20m) let's
>   say at the top of every hour again. I was not too
>   successful with SSB on QTTF last week.
>
>   I'll be using my Yaesu FT-840 @ 4w and a R5/40m inv. vee
>
>   Hope to hear you on the air this weekend!
>
>   73 de Dave NR3E/5
>   nr Dallas, TX
>   qrp-l #25, ARRL
>   WIMPS: Qs=030 30m=028 17m=02 12m=00 States=024/02/00
>   DX=02/00/00
>
>
>

From owner-qrp-l@Lehigh.EDU Wed Apr 30 18:03:51 1997
From: Bob Kellogg <ae4ic@nr.infi.net>
Subject: [18673] Re: QRP Etiquette
Message-ID: <199704301931.PAA10214@mh004.infi.net>

Gee, Randy, I didn't realize you would take my needling so seriously. --Don't worry, if there'd been a chance of a problem, I'd have been *much* quicker with my response. Actually, I think the rig was polarity protected!! :-)

At 03:07 PM 4/29/97 -0400, you wrote:
>Spotting a likely hole I asked,
>"So, Bob, is center positive?" and before he could answer I promptly
>jammed home the power plug. In cool "Bob-like" fashion, he dryly
>responded, "Yes...and you could have waited for me to answer."

CUL,
Bob Kellogg, AE4IC, Greensboro, NC
Prolably, but not nececelery. - Benny Hill
WIMPS: Qs=001 30m=1 17m=0 12m=0 States=01/00/00

From owner-qrp-l@Lehigh.EDU Wed Apr 30 18:03:51 1997
From: Randy Hargenrader <randyh@harksystems.com>
Subject: [18685] Re: QRP Etiquette
Message-ID: <3367BBB2.45F2@harksystems.com>

I guess it was one of those things you just had to be there
for it to be really funny! I remembered that "incident" the
other morning while shaving and just started laughing out loud!
The XYL thought (confirmed) I was nuts. I didn't take it *too*
seriously, just thought it was a good lesson and "moment" from the
trip to pass on...
Most responses I saw were about polarity protection so I guess
my attempt at humor missed with the list. :/
(I'm still waiting for a "report" on "The Care and Eating Of MRE's"
from you! You WERE the only one to follow directions fully.)
--
73, (Sir)Randy WJ4P
Knightlites QRP-L #296 ARCI #9152 1996 40-9er High Scorer

From owner-qrp-l@Lehigh.EDU Wed Apr 30 18:03:51 1997
From: Doug <doug@sunrise.alpinet.net>
Subject: [18604] Re: QRP from Montana
Message-ID: <33669A83.62B3@alpinet.net>

John...'wasnt intending to be secretive about it....sorry. A dumb
question though...what's an FSFM?

I'd be willing to work as many QRP stations as I can...just dont want
to be tied down to a weekend of schedules for different ops. We're
in the middle of Flood Disaster preparations here and it's been a
busy season so far.

During the Summer, I usually travel to different parts of the state
with my Qrp rig...like Carter County in SE part, where there are NO
active hams. It's fun to work the ops out there and give them the
MT qsl they need and a county that's not often heard from.

Take Care and keep in touch if you'd like to work me for your WAS.

73

Doug, K7YD
Livingston, MT

John A. Evans - N3QOO wrote:
>
> > Subject: Re: QRP from Montana
>
> > Hi Al...let me know your operating freqs and I'll do my best to meet
> > you for a Qrp/Qrp or Qrp/Qro contact...it's your call. My schedule
> > varies a bunch, so if we dont make it on the first try, keep in touch
> > and we'll get 'er done.
> >
> > 73, 72
> > Doug Dunn, K7YD
> > Livingston, MT
>
> Hey - let us all in on it or better yet, volunteer for FSFM so we can
> bombard you with QSO's !!!
>
> john
> --
> John A. Evans   Chief System Administrator
> Office: (719) 528-1800 x164   Titan Client/Server Technologies
> Fax: (719) 528-1275   1115 Elkton Dr, Suite 200
> email: jaevans@cos.cst.titan.com Colorado Springs, CO 80907-3535
> --
> Norcal #262 QRP-L #219 QRP-ARCI #8303 NE-QRP #213 CQC #045
> CQrp   #15   NJ-QRP #50   AK-QRP   #52   NW-QRP #454
> Personal Web Page: http://www.geocities.com/capecanaveral/9773/
> --

From owner-qrp-l@Lehigh.EDU Wed Apr 30 18:03:51 1997
From: George Gingell <k3tks@u1.abs.net>
Subject: [18602] Re: QRPp "SPRING 1997"
Message-ID: <Pine.BSI.3.93.970429202658.21635B-100000@u1.abs.net>

HI Bob,
Thanks for the reply. Actually, They still have time to order. Please note that There is a "Sticker Posted on the Cover" which extended the special offer for NorCal Members to JUNE 1,1997. I have Two on order.

Ordering information from page 42. The Special price is $69 plus shipping. $3 U.S., $5 Canada/Mexico, $15 DX (Other).
Make Checks out to "WILDERNESS RADIO" Make sure you include your name, address, call, phone number, and (optional) email address with your order. Don't forget to specify band 40m,40m/novice,30m, or 20m.

If you have questions, call Bob Dyer at (415)494-3806 (9AM to 6PM Pacific time, M-F) Or, send e-mail to Wayne Burdick, N6KR at his HOME e-mail address ONLY, which is <svecbrdk@well.com> .

What is an SST? A Simple Superhet Transceiver for 40 through 20 Meters. It has 77 parts, It is a complete kit with an unpainted .050 aluminum encloosure with hardware, knobs, etc.

WILDERNESS RADIO
P.O. BOX 734
LOS ALTOS, CA 94023-0734
USA

O.K. KIDS There you have it. No, I don't have a financial interest in Wilderness Radio. (Wish I did :^), When they start selling Stock, I will strongly consider purchasing some. :^)

72 ES
QRP DX TU (C) 1986, G. Danny Gingell, K3TKS@abs.net "Danny"
Maryland Milliwatt Club QRP Reference Library, (301)572-6789
QRP ARCI Net Manager and Board of Director Member.

On Tue, 29 Apr 1997, Bob Hightower wrote:

> At 12:51 AM 4/29/97 -0400, you wrote:
> >Just a short note to say thanks for another Great issue to Doug &
> >Company. "84 PAGES"! Wow! Talk about a nice Schematic in the Centerfold.
> >That alone should make the "BIG" magazines jealous. 38 Special on one
> >side and "SST" on the other. One thing just occurred to me, the Test
> >info might Dissapear when it is photo copied? (Blue Ink) Maybe Doug
> >will sell "Reprints" :^) I haven't had a chance to start reading it yet,
> >but I can tell from scanning thru it that it is a Winner.
> >TKS AGN Doug & Staff. Real nice job.
> >
> >

>
> Mine arrived yesterday, and it IS a very nice issue. One thing to note,
> though, if you haven't gotten yours yet...the deadline for ordering the SST
> at the special price is May 1st, only 2 days away. Many of you may not get
> your issue in time. I didn't think to bring the issue to work, but if you
> want the special price, you need to get an order off to Wilderness now.
>
> 73,
> Bob KI7MN (ki7mn@dancris.com) Chandler, AZ Grid DM43bi Lat 33.334500 Long
> -111.87260
> NorCal #1221   ARCI #8918 Qrp-l #271 CQC #274 AK QRP #30 ARRL
> http://www.dancris.com/~ki7mn
> WIMPS: QSO's=17 30=17 17=0 12=0 States=14/0/0 DX 0/0/0 QSL's=5
>

From owner-qrp-l@Lehigh.EDU Wed Apr 30 18:03:51 1997
From: Monte Stark <ku7y@sage.dri.edu>
Subject: [18635] Re: QRPp waiting
Message-ID: <Pine.SUN.3.90.970430073847.18935A-100000@vortex>

On Wed, 30 Apr 1997, Walt D Amos wrote:

> We're just a small sub-group of an eclectic corner of a dying hobby.....
                                                          ^^^^^^^^^^^

Hmmmm,

Been reading too much of Wayne Greens BS, eh??

73, Ron,   SOWP 5545M,

.........KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu...........Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

From owner-qrp-l@Lehigh.EDU Wed Apr 30 18:03:51 1997
From: Raventhorne <jelder@ix.netcom.com>
Subject: [18617] Re: QRPTTF Report
Message-ID: <2.2.16.19970430225409.3abff354@popd.ix.netcom.com>

At 07:15 PM 4/29/1997 -0700, Dennis Mangrobang [Contractor] wrote:

>I had wanted to operate QRPTTF from the mountains this year, but I couldn't
>get everything ready in time. So, Terry WT7F, and I returned to the public
>park next to the Santa Monica airport, where we operated from last year.

If you want more company next year, I'd be glad to join you. I live in El
Segundo, so I'm not far away.

Off on another tangent, are you interested in building the Centennial SSB
rig available from Dan's Small Parts? We might be able to get enough local
hams together for a group buy: $59.95 each if we can get five of us together.

72,

John
@~~~~~
@ John Elder, KO6TS - King Of 6 Tiny States, ex: KD6HSK, N5FFH, WB6UWL, WN6UWL
@~~~~~

From owner-qrp-l@Lehigh.EDU Wed Apr 30 18:03:51 1997
From: Neil Heckt <neil@aade.com>
Subject: [18612] Re: R2 Kits
Message-ID: <3366CCAB.5806@aade.com>

Neil Heckt wrote:

 Thanks to all who responded to this inquiry.
 Most all suggested kanga kits

 http://qrp.cc.nd.edu/kanga/

 I want to build one to test the use of square wave LO drive.
 I've read several articles about using square wave vs sine wave.
 Some suggest that square wave will have significant odd harmonics.
 I think, and correct me if I'm wrong, that all ring diode modulators
 have high odd LO harmonics even when using sine wave exitation.

 One article suggests that square wave is better because during the
 zero crossing of the sine wave, the input signal is larger than the
 LO causing significant IM distortion.

 The main reason for using square wave is that quadrature square waves
 are easier to accurately generate over a large frequency range.

 Anyone have experience and/or knowledge about this please let me know.

--
Neil
Homebrew Heaven at http://www.aade.com
Home of L/C Meter IIB and Digital Frequency Display
Links to sites of interest to Engineers, Amateurs and hobbyists
interested in Circuit Design and construction.

From owner-qrp-l@Lehigh.EDU Wed Apr 30 18:03:51 1997
From: Zack Lau <zlau@arrl.org>
Subject: [18628] Re: R2 Kits
Message-ID: <3367434B.3F6D@arrl.org>

Neil Heckt wrote:
>
> Neil Heckt wrote:
>
> Thanks to all who responded to this inquiry.
> Most all suggested kanga kits
>
> http://qrp.cc.nd.edu/kanga/
>
> I want to build one to test the use of square wave LO drive.
> I've read several articles about using square wave vs sine wave.
> Some suggest that square wave will have significant odd harmonics.
> I think, and correct me if I'm wrong, that all ring diode modulators
> have high odd LO harmonics even when using sine wave exitation.
>

> One article suggests that square wave is better because during the
> zero crossing of the sine wave, the input signal is larger than the
> LO causing significant IM distortion.
>

The relevant paper was done by Rafuse and Ward of MIT. I measured
a significant improvement using narrowband analog techniques to accurately
square up the waveform.

> The main reason for using square wave is that quadrature square waves
> are easier to accurately generate over a large frequency range.
> I've not seen a circuit that accomplishes this at HF, given the accuracy
requirement. Digital ICs people try to use typically aren't fast enough
to ignore variations in switching times.

--Zack Lau W1VT

From owner-qrp-l@Lehigh.EDU Wed Apr 30 18:03:51 1997
From: Ed Pacyna <pacyna@auratek.com>
Subject: [18634] Re: R2 Kits
Message-ID: <3.0.16.19970430102401.24d7b23e@galaxy.auratek.com>

At 09:38 PM 4/29/97 -0700, Neil Heckt wrote:

> I want to build one to test the use of square wave LO drive.

> Anyone have experience and/or knowledge about this please let me know.

Good question. There seems to be a lot of literature concerning using
mixers, except on this topic.

Here is my 2 cents and I hope others contribute additional input.
thoughts.

1. In a doubly balanced diode ring mixer (diode quad) the IF port
receives the RF signal with opposite polarity (i.e. 180 degree phase
shift). When the switching action is square, the resulting IF spectrum
consists only of the sum and difference of the RF and LO frequencies (RF
and LO being suppressed in the IF output).

2. When one pair of diodes is forward current biased, the other pair is
reverse voltage biased by the voltage drop of the forward pair. If the RF
signal becomes comparable to the LO injection power, the switching times
are a function of the RF as well as the LO signal level. These leads to
signal compression and IMD. Using square wave vs sine wave injection
minimizes the diode transition times, making the switching more
independent of LO level.

3. Using digital dividers to generate the LO, can offer the following
additional advantages.

Easily provides wide band LO in phase and quadrature (single signal DC
receivers, additional side band suppression from product detector stages).
I used this approach to build a LO for a R2/T2 SSB transceiver recently.
The wide band I/Q generation means you can cover an entire band with excellent
opposite sideband suppression. A simple multi-band radio is easily
implemented.
This approach also means you do not need to use power splitters as well.

A twisted ring counter (2 D flip flops) divides the input frequency by 4
while
providing the required 90 degree phase difference. Advanced CMOS (AC) logic

works
into the VHF region. Twisted ring counters automatically generate square waves with
a 50/50 duty cycle (which is very important for driving diode ring mixers). However, the initial signal needs to be 4X the LO frequency. Using a pre-mixed LO,
this is not difficult. Additionally, this can be used to advantage since any free
running oscillator drift will be divided by 4 as well. For example, my initial LO used
a 15 to 16MHz oscillator to cover 3.75 to 4.0MHz. Maximum drift was less than 50 Hz
under any conditions (short term, long term, thermal cycle etc.).

The addition of a digital divider to most sine wave oscillators also reduces phase noise as well (i.e. analog to digital conversion). Although I used a Harley
oscillator with fixed FET source biased (no gate clamping diode) for limiting and a high Q tank to build to obtain a low noise oscillator, it was overkill.

Ed
W1AAZ

From owner-qrp-l@Lehigh.EDU Wed Apr 30 18:03:51 1997
From: Paul Harden <pharden@aoc.nrao.edu>
Subject: [18649] Re: scarborough?
Message-ID: <199704301641.KAA21765@zia.aoc.nrao.edu>

I talked to my gungho dxer boss WA6GFE (who has 34 more countries QSLed than today exist!). He said Scarborough Reef is in the China Sea, and is basically a ring of rocks barely sticking out of the water. He brought in today the QSL he got from a dxpedition there in 1981. It is a photo of the operation, which is several guys, couple of rigs, couple of antennas all on top of a rock in the water smaller than an average sized living room. (I hope that wasn't LOW tide!). He worked one of the ops monday night maritime mobile on their way there.

Paul NA5N

From owner-qrp-l@Lehigh.EDU Wed Apr 30 18:03:51 1997
From: Bill Todd <bill@techline.com>
Subject: [18613] Re: Scope probe source?
Message-ID: <1.5.4.32.19970430050412.006ad310@mail.techline.com>

>He recently got a used scope and needs a source of probes--preferably
>used but functional and inexpensive. Does anyone know a good place to get
>them?

Hi Mike - I have an old Tek scope too, and am unwilling to buy brand new
probes myself (call me cheap-cheap).

My scope is accurate up to about 30 Mhz., so if you folks have a source -
let the list know.

Thanks- Bill-N7MFB

From owner-qrp-l@Lehigh.EDU Wed Apr 30 18:03:51 1997
From: Bernie Doehner <bad@uhf.wireless.net>
Subject: [18614] Re: Scope probe source?
Message-ID: <Pine.BSF.3.95.970430011447.8549J-100000@uhf.wdc.net>

> >He recently got a used scope and needs a source of probes--preferably
> >used but functional and inexpensive. Does anyone know a good place to get
> >them?
>
> Hi Mike - I have an old Tek scope too, and am unwilling to buy brand new
> probes myself (call me cheap-cheap).
>
> My scope is accurate up to about 30 Mhz., so if you folks have a source -
> let the list know.
>
> Thanks- Bill-N7MFB

Me too!! (but I have an excuse - I am a grad student :)).
I refuse to pay more than $10 for a silly resistor/trimmer cap/cable. I
already built my own scope probe. Good for HF stuff, but I'd like
something to go a little higher (like 50 Mhz.).

73

Bernie nu1s

From owner-qrp-l@Lehigh.EDU Wed Apr 30 18:03:51 1997
From: Leon Heller <leon@lfheller.demon.co.uk>
Subject: [18672] Re: Scope probe source?
Message-ID: <ld49RDAB24ZzEw4A@lfheller.demon.co.uk>

In message <Pine.BSF.3.95.970430011447.8549J-100000@uhf.wdc.net>, Bernie
Doehner <bad@uhf.wireless.net> writes
>
>> >He recently got a used scope and needs a source of probes--preferably
>> >used but functional and inexpensive. Does anyone know a good place to get
>> >them?
>>
>> Hi Mike - I have an old Tek scope too, and am unwilling to buy brand new
>> probes myself (call me cheap-cheap).
>>
>> My scope is accurate up to about 30 Mhz., so if you folks have a source -
>> let the list know.
>>
>> Thanks- Bill-N7MFB
>
>Me too!! (but I have an excuse - I am a grad student :)).
>I refuse to pay more than $10 for a silly resistor/trimmer cap/cable. I
>already built my own scope probe. Good for HF stuff, but I'd like
>something to go a little higher (like 50 Mhz.).

Apparently the cable is the critical part of a probe. I read somewhere
that just trapping it in a drawer (a common occurrence) can degrade the
high frequency performance considerably.

Leon
--
Leon Heller
Amateur radio callsign: G1HSM
Email: leon@lfheller.demon.co.uk http://www.lfheller.demon.co.uk
Tel: +44 (0) 118 947 1424 (home) +44 (0) 1344 385556 (work)

From owner-qrp-l@Lehigh.EDU Wed Apr 30 18:03:51 1997
From: Bill Todd <bill@techline.com>
Subject: [18615] Re: Sporatic-E TODAY!!!
Message-ID: <1.5.4.32.19970430050008.006a03c4@mail.techline.com>

> Just thought I'd mention it, for those of you who are home and
> can "play" today.

Hi Dale - Was this event about 7:30 AM Mountain time (just before going to work)?

I plan to listen to ten meters - 28.060 from 8 to 10 AM PDT tomoroww the 30th, just in case anyone is one at that time.

I'll call "CQ" every 15 minutes.

CUL, Bill-N7MFB

From owner-qrp-l@Lehigh.EDU Wed Apr 30 18:03:51 1997
From: New TELIS User Name <ki6ds@telis.org>
Subject: [18648] Re: SST parts list/schematic error: output low-pass filter
Message-ID: <Pine.GSO.3.96.970430090219.435B-100000@homeroom>

Ahhh, the joys of prototyping! Thanks Wayne for the posting. Annnnd, don't forget the NC40S. Believe me there is a huge amount of interest in that one. 72, Doug, KI6DS

On Wed, 30 Apr 1997, L.Svec,W.Burdick wrote:

> There's an error in the SST schematic and parts list. For the 40 meter
> SST, L2 and L3 should have 18 turns, or approx. 1.3 microhenries. These
> are the same values used in the 40A and Sierra. (Thanks to Bob Parks,
> K6AEC, for catching this.)
>
> Also, the crystal filter circuit has been improved since I wrote the
> article, and now has L-C impedance transformation at either end.   I'll
> post the new values for this circuit soon.
>
>
> Wayne
> N6KR
>
>
>
>

From owner-qrp-l@Lehigh.EDU Wed Apr 30 18:03:51 1997
From: ptaber@microtest.com
Subject: [18656] Re:Suggestions for "Hand-Key"

Message-ID: <9704308624.AA862420122@microtest.com>

Look up Fair Radio Sales in a back issue of QST and ask them what they're getting for a J-38 these days. That's the prototype of all straight keys and very popular. Be warned, they have a reputation for being pretty short on the phone. They trade in the tens of dollars rather than the hundred and tens.

Or, if you have a decent hamfest coming up in the near future, get a key there.

The Vibroplex is a nice key (I have one) and it's a fair price for a well-made key manufactured today, but it is steep. The little red keys, if they're the ones I think you mean, are kind of cheesy, meant for operating when minimum size and weight are more important than comfort.

>>>==>PStJTT (KC1TD)

From owner-qrp-l@Lehigh.EDU Wed Apr 30 18:03:51 1997
From: Ed Loranger <we6w@qsl.net>
Subject: [18658] Re: Suggestions for "Hand-Key"
Message-ID: <33677FBD.1BF6@qsl.net>

I hope someday to have money for some of these real nice straight keys. I especially want a nice bug. Probably never grow to love a cmos keyer.

I'll probably build my next key using a hacksaw blade as the moveable arm and old ignition points at the gap.

BTW: I'm currently sending using a $9.95 plastic base key but my 9 yr. old is using it with the CPO so now I'm back to the exotic, brass plated $14.95 model radio shack used to sell but is now found at HSC.

Too bad the local radio station contests don't give away a vibroplex/QRP rigs to the 10th caller....

Best regards,
Ed L.
--
72/73 de WE6W QRP .3W QSX 7040 KHz SK ee (First and Last callsign!)
HW-8;OHR-100, Pixie2, Johnson Viking II w/VFO.
mailto:we6w@qsl.net QRP-L member #1068.
http://www.qsl.net/we6w

From owner-qrp-l@Lehigh.EDU Wed Apr 30 18:03:51 1997
From: Denton Larson <dlarson@ic.waseca.mn.us>
Subject: [18659] Re: Suggestions for "Hand-Key"
Message-ID: <1.5.4.32.19970430173156.00731be4@ic.waseca.mn.us>

Frank, I use a Bencher hand key the black version, and it suits me just
fine. It is very rugged as opposed to there Iambiac paddles which if bumped
wrong the paddle can pop off the pivot point. I think it was in the 70
dollar price range. I can't find my catalog just at the moment.

At 01:01 PM 4/30/97 -0500, you wrote:
>Fellow QRPer's,
>
>   Now that I have my OHR100 up and running (what a great little
>rig!), I'm interested in a hand key for it (not ready to graduate to an
>electronic key yet).

snip

>I've seen these "little red keys" on the internet but don't know
>much about them or the price. If any of you can offer any suggestions or
>comments they would certainly be appreciated. I try to make informed and
>wise consumer decisions when possible as to avoid having to "buy it again".
snip
I don't have any info about the little red key
good luck, 73/72's

Denton
Denton K. Larson dlarson@ic.waseca.mn.us
WB0ZUR   QRP-L #414 QRP ARCI #9116 NORCAL #1563
Life Member ARRL
Waseca, Minnesota USA

From owner-qrp-l@Lehigh.EDU Wed Apr 30 18:03:51 1997
From: "'AB7HI' Stephen Lee" <slee@u.washington.edu>
Subject: [18665] Re: Suggestions for "Hand-Key"
Message-ID: <Pine.A41.3.95b.970430105632.112974A-100000@homer33.u.washington.edu>

Several months back Paul Young sent out info on a small
company in upstate New York (I think) who still had some
very nice condition J-38 hand keys for sale. I've got
the information at home. I bought one of these J-38's

and can vouch that they look near new and provide excellent
service. There were two varieties of the J-38, black and
brass. I also believe there were two sizes of key contacts.
I opted for a black J-38 with the larger contacts. It came
mounted on a black phenolic base. It did not have the Navy
knob like I prefer so I scrounged a Navy knob for it. With
that it is as near perfect a key as one could hope for.
I have a Bencher straight key (black base) and a Nye-Viking
straight key. Between the 3 of them I prefer the J-38 for
now. For the Bencher I picked up some bar stock steel from
which I plan to make a new and much heavier base.

Hopefully I'll be able to post that company's address for
the J-38 keys tomorrow. Enjoy!

Stephen Lee, AB7HI, Tacoma, WA
slee@u.washington.edu

From owner-qrp-l@Lehigh.EDU Wed Apr 30 18:03:51 1997
From: mdwatt@usit.net (Marty Watt)
Subject: [18670] Re: Whoops! sorry abut that...
Message-ID: <33677fa2.52830803@smtp.usit.net>

On Tue, 29 Apr 1997 09:11:09 -0700, Bill Todd <bill@techline.com>
wrote:

>>Oh well, I find the advantage to being old, and making mistakes, is =
that
>>everybody chocks it up to senility, and disregards it. That even
>>happened when I left my zipper open one day.
>>
>>73..
>
>Hi Jim - At least you don't drool when you watch TV (hi).

Sure -- but did you ever leave the zipper open for an entire job
interview?

(I did, got the job anyway, and worked there 7 1/2 years! I was
only 24 at the time ... sigh.)

72 es 73 de=20
Marty, KM7W

Jackson, Tennessee   e-mail: mdwatt@usit.net
                                http://www.public.usit.net/mdwatt
                                        "The Curmudgeon's Corner"
NorCal #2031 - ARCI #7514 - QRP-L #953 - AK/QRP #098 - Grid EM55oq
~~~~~~

From owner-qrp-l@Lehigh.EDU Wed Apr 30 18:03:51 1997
From: faunt@netcom.com (Doug Faunt N6TQS +1-510-655-8604)
Subject: [18688] Re: [18415] Re: NOT QRP-Kenwood rigs Info....not!
Message-ID: <199704302251.PAA21396@netcom17.netcom.com>

HOWEVER, there were at least two versions of the TR-7800 that had only
144 to 146 coverage. I have a service manual for the unit obtained
from Kenwood sometime in the last half-dozen years or so, and in the
specs are listed different coverage for three different units: (K) 144
to 148, (W)(T) 144 to 146. No frequency coverage listed for (M). The
(T) has 1750 tone burst, but there are four different models listed,
with different numbers of IC's, transistors and diodes!!!

IC's: 18 (W)(T) 19 (K)(M)
Transistors: 58 (W)(T) 60 (K)(M)
diodes: 77 (K)(M) 78 (W) 79 (T)

Power out for the tr-7800 is high 25W, low 5w.
The same manual covers the TR-7850, a high power version.

I have a semi-broken TR-7800 here. One of the keypad columns doesn't
work. I DO NOT have time to figure out the differences among the
various models.

73, doug

   Date: Sun, 27 Apr 1997 21:40:43 -0400
   From: "Jim Gantner" <jgantner@ix.netcom.com>

   >
   > Please tell the rest of us whether the radio covered 144 - 146 or 144 -
   > 148 as delivered!
   >
   > Bruce
   >
   >

   Bruce:
~~~~~~

The TR-7800 coverage was from 143.9- 148.995 (as measured in the ARRL lab)

Jim
K4GT